### Region 5 700 MHz Regional Planning Committee

January 29, 2008

RE: Modification to Region 5, 700 MHz Plan, Docket Number 02-378

Marlene H. Dortch Federal Communications Commission Office of the Secretary 445 12th Street, SW Washington D.C. 20554

Dear Secretary Dortch:

This plan amendment is filed to comply with the requirements of PS Docket 06-229. The Frequency allocation table is amended to reflect the new band plan in that Docket. In addition the plan is amended to reflect election of a new vice-chair, Don Root. Included in the plan is a letter from the State of California, giving up their general category allocations. The letter was received after the Regional Committee meeting on January 16, 2008 and after adjacent region concurrence was received. Therefore, the allocation spreadsheet still lists the State allocations. Region 5 intends to make other plan revisions at a later date and will at that time amend the allocation spreadsheet.

The meeting minutes are in the amended plan and the meeting was held on January 16, 2008 in Riverside California to vote on all amendments. Adjacent Region concurrence emails are in the amended plan.

I certify that all meetings including workgroup meetings were open to the public. Notice of the meeting was given per the requirements of the Region 5 plan.

Sincerely,

David Buchanan, Chair

Region 5 700 MHz Regional Planning Committee

# SOUTHERN CALIFORNIA 700 MHZ REGIONAL COMMUNICATIONS PLAN REGION #5



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# 1. Regional Committee Positions

At the first regional plan meeting on September 2, 1999, David Buchanan was elected as Regional Chair. His contact information is below:

David Buchanan 11009 Hawkridge Rd Yucaipa, CA 92399 Phone 909-633-9336 Email david\_bu@pacbell.net

At the January 16, 2008 regional plan meeting Donald Root was elected Vice Chair of the Committee. His contact information is below:

Donald Root County of San Diego 5555 Overland Park, Suite 5105 San Diego, CA 92123 Phone 858-694-3903

At the third regional plan meeting on April 16, 2003 Gary Poon was elected as Secretary of the Committee. His contact information is below:

Gary Poon County of Los Angeles 1110 N. Eastern Ave. Los Angeles, CA 90063 Phone 323-267-3004 Fax 323-262-4607 Email gpoon@co.la.ca.us

# 2. RPC Membership

Appendix A contains the membership list for Region 5. Membership is open to any interested party. Voting and operating procedures are described in Section 5 of this plan.

# 3. Region Description

Region 5 commonly referred to as Southern California, consists of 10 counties – San Louis Obispo, Santa Barbara, Kern, Ventura, San Bernardino, Los Angeles, Orange, Riverside, San Diego, and Imperial.

The Southern California terrain is varied and rugged. Elevations range from 180 feet below sea level to over 10,000 feet above. Population is concentrated in the Los Angeles basin and surrounding areas and in San Diego and it's surrounding areas. Other areas of Southern California have small concentrated areas of population with vast areas of mountains and desert with very sparse population. The Los Angeles Basin including surrounding areas

requires the majority of spectrum to support public safety services to the 15.6 million citizens.

All types of public safety agencies and services are located in this region. The majority of requests for voice spectrum were as follows.

The State of California's request for spectrum is to support a new statewide system that will integrate multiple state agencies on the system. The State is also designing the system to accommodate local agencies that wish to participate.

Several Counties in the region are requesting spectrum to expand and accommodate growth of existing 800 MHz trunked systems.

The State Emergency Medical Services Authority and American Medical Response (AMR) a large ambulance service provider requested spectrum for new emergency medical systems.

Another category of requests was from a few cities in the Los Angeles basin area to satisfy long unmet needs.

#### 4. Notification Process

The First Regional Plan Meeting was held on September 2, 1999. Notices were sent 60 days or more prior to the meeting, by mail, to FEMA Region 9, APCO, FCCA, IMSA, ASHTO and the FCC. The meeting was advertised in the APCO Magazine (August 1999) and the CPRA (California Public-Safety Radio Association, the local APCO chapter) News Letter (July 1999 edition). The FCC did not issue a Public Notice of the meeting. The California State Office of Emergency Services sent representatives to the meetings and they represent National Security and Emergency Preparedness at the state level and also coordinate with local emergency preparedness offices. The convener, David Buchanan also contacted several agencies via email that expressed interest in the planning process. The CPRA CommLink is sent monthly to nearly all public safety agencies and is considered the primary notification method.

Attached is a representative membership list for CPRA. As with any organization the membership changes somewhat over time. The membership over time still represents the greatest number of public safety agencies in Southern California that the Committee is aware of.

The second meeting was held on June 21, 2000. The FCC did issue a Public notice for this meeting. The meeting was again advertised in the CPRA CommLink. During the meeting an opportunity was given for anyone not at the first meeting to object and ask for a revote on decisions made. No one came forward to object.

The Convener (later elected Chair) discussed with representatives of some public agencies, ways to notify interested persons and agencies of this planning process. From past experience we found newspaper advertising to be impractical due to the number of newspapers operating in this large Region. Also, past experience of 800 MHz planning when some newspaper advertising was done showed no public safety representative not already aware of the advertising and process read the advertisement. It was concluded the best means to reach out as widely as

possible was to use the existing resources of CPRA. No other local or State publications are known to reach people interested in this planning effort.

Southern California public safety agencies have a long history of participating in CPRA. CPRA was formed in 1935 and became a chapter of APCO in 1945. The chapter continues to hold a frequency coordination meeting monthly as part of the monthly chapter meeting. The APCO local frequency advisors present all applications for approval by the group. While this is an informal process done in addition to the formal coordination process, it is widely known in the public safety community and promotes the open cooperative spirit of communications planning in Southern California. Because of this history, it is widely known to contact CPRA local advisors for spectrum issues. Because of this history, a list of agencies, with known spectrum problems were able to be contacted by local frequency advisor Gary Gray. From this history agencies know to either watch the CommLink or the CPRA WEB site or attend the monthly meetings to learn of the 700 MHz planning or other spectrum planning efforts.

As the primary purpose of the planning effort is to allocate spectrum to public safety agencies needing additional spectrum, the Committee made special efforts to allow agencies to come forward and demonstrate a need for additional spectrum. A filing window for requests was open from the first meeting until January 1, 2001 and published in the July through December 2000 issues of the CPRA Newsletter. This was advertised at CPRA monthly Meetings and in the CPRA Commlink. The local APCO frequency advisor Gary Gray, personally contacted several agencies he knew of that had unfilled needs that were long standing. These initial requests, using the technical assumptions in Section 7, were used to establish the initial allotment list shown in Appendix A.

The Commission in a letter dated December 30, 2002 dismissed the April 16, 2002 plan. The Commission among other things, asked for a better outreach to Indian Tribes. To address this concern the Committee held a 4<sup>th</sup> meeting on April 16 2003. Letters were sent to all Tribes that could be identified by an Internet search. A list of Tribes and copy of the letter is attached in the Appendix D of this plan. A FCC public notice of this meeting was issued and Notice published in the February 2003 issue of the CPRA Newsletter and also posted at the CPRAA WEB Site www.cpra.org .

All meeting notices, minutes and members of the committees are shown in the appendixes of this plan. The meetings were open to any who wanted to attend.

# 5. Regional Plan Administration

# 5.1. Operations of the Regional Plan Committee

This committee will use Robert's Rules of Order to conduct meetings. All decisions will be by clear consensus vote with each Public Safety Agency having one vote. This voting insures that all agencies regardless of size have an equal vote. This region also emphasizes the clear consensus in deciding issues. The meetings are open to all persons and a public input time is given for anyone to express a viewpoint or to have input to the planning.

Workgroups may be formed as needed to work on specific issues. For the initial planning three workgroups were formed – writing group, spectrum planning group and operations group. Workgroups are intended to work on details of specific issues and make recommendations to the full committee. Any changes to the Regional plan must be voted and approved by the full Regional Plan Committee. Workgroups are open to any who want to participate. The Chair of the Regional Plan Committee appoints the Chair for each workgroup.

A minimum of one meeting per year will be held of the full committee. The Chair may call other meetings as needed, or requested by the Committee members. These will be announced and advertised 90 days in advance by the Committee Chair. The FCC will be contacted to issue a Public Notice of the meeting; the meeting will be announced in the CPRA news letter and posted on <a href="www.cpra.org">www.cpra.org</a>. In addition a email list server named <a href="mailto:CPRA700@yahoogroups.com">CPRA700@yahoogroups.com</a> will be used for notification. The list server is open for anyone to sign up who would like to participate. Normal time for the annual meeting will be in January each year.

Beginning two years after Federal Communications Commission approval of this Regional Plan, the Chair shall call a meeting of the Committee to elect a Chair, Vice Chair and Secretary to serve for two years. There is no limit to the number of terms that may be served.

If the Chair is unable to serve a complete term the Vice Chair will serve as Chair until the next election meeting. If both the Chair and Vice Chair are unable to serve their full terms one or the other should strive to call a special meeting of the Committee to elect replacements. If for some reason, neither the Chair nor the

Agency is defined as a City, County, State EMS Authority and the State of California, each having one vote. Vice Chair can call the special meeting; the State or any County within the region may call for a special meeting, giving at least 90 days notice, to elect replacements.

The Chair and Vice Chair duties and powers are expressed in this plan. Their powers are limited those specified in this plan or the agreements with adjacent regions contained in this plan.

The Secretary is responsible to maintain and store all records of the committee. The Secretary also prepares minutes of all Committee meetings. At any time a new secretary is elected, the records of the Committee shall be transferred to the new secretary.

### 5.2. Procedure for Requesting Spectrum Allotments

The procedure for initial requests is stated in Section 4. After plan approval, agencies desiring a new, additional or modified spectrum allotment shall submit a request to the Chair in writing indicating their need for spectrum. The requests will be considered, providing that harmful interference is not caused to existing users.

The frequency allotment list is based on an assumption that the systems will be engineered on an interference-limited basis not a noise floor-limited basis. Agencies are expected to design their systems for maximum signal levels within their coverage area and minimum levels in the coverage area of other co-channel users. Coverage area is normally the geographical boundaries of the Agency(s) served plus a three-mile area beyond.

Systems should be designed for a minimum signal strength of 40 dB $\mu$  in the system coverage area while minimizing signal power out of the coverage area. TIA/EIA TSB88-A (or latest version) will be used to determine harmful interference assuming 40 dB $\mu$ , or greater, signal in all systems coverage areas. This may require patterned antennas and extra sites compared to a design that assumes noise limited coverage.

To maximize spectrum utilization, receivers of the highest quality must be used in systems. Given a choice of radios to choose from in a given technology family, agencies should use the units with the best specifications. This plan will not protect agencies from interference if their systems utilize low quality receivers.

Agencies will need to provide the Committee with a full justification for the additional spectrum. All requests will be considered on a first come first served basis. In the event that contending requests are received, in the same time frame Section 8.5 will be used to determine priority for allocation of spectrum.

Priority is given to users fundamentally involved with the protection of life and Property Priority is given to shared multi-agency systems. These systems can be either groups of separate departments within a large agency or groups of agencies operating together under a large blanket agency.

Immediate documented funding must be available to construct the system using these 700 MHz frequencies.

For approval, the Chair will distribute the request to all other agencies with allotments in the plan for review. An agency may protest approval within 30 calendar days. Protests will only be considered if an agency or the Chair can show harmful interference is likely based on the input submitted by the agency requesting the new allotment or the allotment does not conform to plan criteria. If the parties cannot resolve the issues and so inform the Chair within 14 calendar days then a full Committee meeting will be scheduled to consider and vote on the protest. Absent a protest, the allotment will be approved by the Chair and submitted to the FCC as a plan amendment.

#### 5.2.1. Procedure for Plan Modifications

Modifications to this plan, other than as specified above in Section 5.2 must be approved at a meeting of the full committee. The Chair may propose changes and call a meeting to consider and vote on the change. Others with a requested amendment to this plan should submit the request to the Chair and the chair will call a meeting of the full committee to consider and vote on the change.

### 5.3. Procedure for Frequency Coordination

Before applicants submit an application to one of the FCC recognized frequency coordinators, the application must be reviewed at a frequency meeting of the Regional Planning Committee. The Committee will review the application to ensure it complies with all elements of the Regional Plan. This will NOT be a review to ensure the application form meets FCC requirements for filing.

The applicants must submit a copy of the FCC application and supporting documents to the

Regional Plan Chair. An interference prediction map must be included in the documentation. TIA/EIA TSB88-A (or latest version) guidelines will be used to produce the interference map. The map must show all interference predicted using TSB88-A guidelines. Any agency with co-channel or adjacent channel allotments may request field tests of signal levels to verify interference signal levels. Agencies must be prepared to conduct these field tests if a request is made. All agencies must meet the coverage criteria of Section 7.

The frequency meetings will be held as needed to review applications but normally concurrent with the California Public-Safety Radio Association (CPRA-the Southern California Chapter of APCO) monthly meeting. After the regular CPRA meeting, the 700 MHz Regional Plan Frequency meeting may be convened. The CPRA meetings are normally attended by many of the public safety agencies in Southern California. Notification of frequency meetings will be placed in the CPRA CommLink and will be available to nonmembers at the CPRA WEB site (www.cpra.org). The FCC certified frequency coordinators will be notified of the meetings. Membership in APCO or CPRA is not required to participate in these frequency coordination meetings and the collocation of meetings is solely for the convenience of the Regional Plan Members.

#### 5.4. Adjacent Region Spectrum Allocation

Region 5 shares borders with Arizona, Nevada, and Northern California. Region 5 has a small population density along the Nevada and Arizona borders. Region 5 will coordinate channel allocations with all bordering regions and the State of California for those channels established by planning as statewide use.

Region 5 will provide data to the National Public Safety Telecommunications Council (NPSTC) Pre-coordination Data Base to assist with adjacent region coordination.

#### 5.5. Mexico Border issues

Region 5 shares a border with Mexico. The Counties of Imperial and San Diego are impacted by any border spectrum agreements. State of California spectrum use is also impacted in those counties. Region 5 requests input to the FCC for any spectrum sharing agreements with Mexico. Any agreement that impacts allotments to Imperial County and San Diego County/City will impact the entire allotment list for Region 5. Region 5 is ready to help the FCC in any way in working out spectrum sharing agreements with Mexico with minimum impact to Region 5. Agencies located in the Border area with Mexico should note the following conditions. Public safety licenses are granted subject to the conditions as set forth in 47 C.F.R. § 90.533. Public safety transmitters operating within 120 km or 75 miles of the Mexican border must accept any interference that may be caused by operations of UHF television broadcast transmitters in Mexico and that conditions may be added during the term of the license if required by the terms of the international agreements between the United States and the government of Mexico, as applicable, regarding the non-broadcast use of the 764-776 MHz and 794-806 MHz bands.

### 5.6. Dispute Resolution

In the event an agency disputes the implementation of this plan after FCC approval, the agency must notify the Chair of the dispute in writing. This section does not apply to protests over new spectrum allotments (see Section 5.2). The Chair will attempt to resolve the dispute on an informal basis. If a party to the dispute employs the Chair, then the Vice Chair will attempt resolution. In such cases, the Chair shall be deemed to have a conflict of interest and will be precluded from voting on such matters. If after 30 days the dispute is not resolved, the Chair (or Vice Chair) will appoint an ad-hoc Dispute Resolution Committee The committee shall be comprised of a member from the State of California and members selected from representatives of the counties in the region, the City of Los Angeles or the City of San Diego. No member selected may be from an agency involved in the dispute. That committee will select a Chair to head the committee. The Regional Plan Chair (or Vice Chair) will represent the Region in presentations to the Dispute Resolution Committee. The Committee will hear input from the disputing agency, any effected agencies and the Region Chair. The Committee will then meet in executive session to prepare a recommendation to resolve the dispute. Should this recommendation not be acceptable to the disputing agency(ies), the dispute and all written documentation will be forwarded to the Federal Communications Commission for final resolution.

# 6. Interoperability Channels

#### 6.1. Introduction

The ability for agencies to effectively respond to mutual aid requests directly depends on their ability to communicate with each other. Southern California is subject to many natural disasters and mutual aid is common among agencies. This Plan seeks to facilitate the communications necessary for effective mutual aid.

The State of California will administer the interoperability channels via a State Interoperability Executive Committee (SIEC) under National Coordination Committee's (NCC) guidelines. As the State is divided into two regions this will facilitate common operating procedures for both North and South. If the State is unable to form the SIEC and develop interoperability operating procedures then this committee will do so. This Plan also gives the following guidance to the SIEC to take into account the needs of Southern California.

#### 6.2. Tactical Channels

This Region is unable to set aside, at this time, additional channels beyond those established by the FCC in their band allocations, for interoperability use. Because of the extensive mutual aid operations that can involve several mutual aid operations simultaneously, all mobile and portable units operating under this Plan should have all the interoperability channels both repeat and direct modes programmed into each unit. The radios must be programmed with the minimum number of channels called for in NCC guidelines or as the SIEC specifies. The channels display will be in accordance with the NCC guidelines that have common alphanumeric nomenclature to avoid any misinterpretation of use.

# 6.3. Deployable Systems

This Plan strongly supports use of deployable systems, both conventional and trunked. Deployable systems are prepackaged systems that can deploy by ground

or air to an incident to provide additional coverage and capacity on interoperability channels. This will minimize the expense of installing extensive fixed infrastructure and recognizes the difficulty of providing complete coverage of the region due to environmental constraints.

Agencies should have conventional deployable systems capable of being tuned to any of the interoperability tactical channels. Those agencies that are part of a multi-agency trunked system and commonly provide mutual aid to each other are encouraged to have trunked deployable systems that operate on the tactical channels designated by the FCC for this use. The SIEC will develop the operational details for deploying these systems.

It is expected that the tactical channels set aside for trunked operation will be heavily used by deployable systems. Therefore, the tactical channels cannot be assigned to augment general use trunked systems.

#### 6.4. Monitoring of Calling Channels

It is desired that the State of California take responsibility for monitoring the interoperability and calling channels. This would include assignments of channels to mutual aid incidents as required. The SIEC will develop operational guidelines for this function.

#### 7. Interference Protection

The frequency allotment list is based on an assumption that the systems will be engineered on an interference-limited basis not a noise floor-limited basis. Agencies are expected to design their systems for maximum signal levels within their coverage area and minimum levels in the coverage area of other co-channel users. Coverage area is normally the geographical boundaries of the Agency(s) served plus a three-mile area beyond.

Systems should be designed for a minimum signal strength of 40 dB $\mu$  in the system coverage area while minimizing signal power out of the coverage area. TIA/EIA TSB88-A (or latest version) will be used to determine harmful interference assuming 40 dB $\mu$ , or greater, signal in all systems coverage areas. This may require patterned antennas and extra sites compared to a design that assumes noise limited coverage.

To maximize spectrum utilization, receivers of the highest quality must be used in systems. Given a choice of radios to choose from in a given technology family, agencies should use the units with the best specifications. This plan will not protect agencies from interference if their systems utilize low quality receivers.

# 8. Allocation of Narrowband "General Use" Spectrum

All agencies requesting spectrum during the initial filing window (see Section 4) were

allotted channels excepting as noted in Section 8.4. Allotments were made in 4 channel (25 kHz) groups to allow for various digital technologies to be implemented. Requests for voice channels were allocated on the basis of one 6.25 kHz channel per one voice channel requested. For narrowband mobile data requests two 6.25 kHz channels were allocated for each mobile data channel requested. This was done to maximize spectrum efficiency and to meet the FCC goal of one voice channel per 6.25 kHz of spectrum. In a few cases this resulted in allocating one or two extra 6.25 kHz channels to maintain the 25 kHz grouping of channels.

The Spectrum Workgroup requested information via a series of five questions to each agency requesting spectrum. This information validated the need for spectrum and insured no duplicated requests involving multi-agency systems. Small agencies were encouraged to join multi-agency systems if possible.

### 8.1. Low power Secondary Operations

To facilitate portable operation by any licensee, and to provide channels for such operation without impacting the use of primary channels, certain low power secondary use will be permitted. Any public safety entity otherwise licensed to use one or more channels under this Plan may receive authorization to license any additional channel for secondary use, subject to the following criteria:

All operation of units on such authorized channels will be considered secondary to other licensees on both co-channel and adjacent channels.

No channels on, or adjacent to, those designated in the Plan for wide area operation and/or mutual aid use will be authorized.

Channels will be authorized for use in specific areas only, such areas to be within the licensees authorized operational area.

Maximum power will be limited to 6 watts ERP.

Use aboard aircraft is prohibited.

Applications for channels may be submitted to the Committee for consideration at any time and must be accompanied by a showing of need. The Committee may select and authorize licensing of these secondary use channels after consideration of potential interference to co-channel and adjacent channel allotments, allocations and licensees. Authorization may be granted for use of any suitable channel, without prior allotment or allocation to the requesting agency.

In the event the channels authorized for low power secondary operation are needed by others during any window opening for reassignment, no protection will be afforded to the licensed secondary user, and they may be required to change frequencies or surrender licenses to prevent interference to primary use channels.

# 8.2. Low power Channels

The FCC in the 700 MHz band plan set aside channels 1 - 8 paired with 961 – 968 and 949 – 958 paired with 1909 – 1918 for low power use for on-scene incident response purposes using mobiles and portables subject to Commission-approved regional planning

committee regional plans. Transmitter power must not exceed 2 watts (ERP).

Channels 9-12 paired with 969-972 and 959-960 paired with 1919-1920 are licensed nationwide for itinerant operation. Transmitter power must not exceed 2 watts (ERP).

These channels may operate using analog operation. To facilitate analog modulation this plan will allow aggregation of two channels for 12.5 kHz bandwidth. On scene temporary base and mobile relay stations are allowed (to the extent FCC rules allow) with an antenna height limit of 6.1 meter (20 feet) above the ground. However, users are encouraged to operate in simplex mode whenever possible. This plan does not limit use to only analog operations, these channels are intended for use in a wide variety of applications that may require digital modulation types.

In its dialog leading up to CFR §90.531 allocating the twenty-four low power 6.25 kHz frequency pairs (of which eighteen fall under RPC jurisdiction)<sup>3</sup>, the Federal Communications Commission (FCC) suggested that there is a potential for multiple low power applications, and absent a compelling showing, a sharing approach be employed rather than making exclusive assignments for each specific application because low power operations can co-exist [in relatively close proximity] on the same frequencies with minimal potential for interference due to the 2 watt power restriction.

Whereas advantages exist in not making assignments, the reverse is also true. If, for example, firefighters operate on a specific frequency or set of frequencies in one area, there is some logic in replicating that template throughout the region for firefighter equipment. If there are no assignments, such a replication is unlikely.

In seeking the middle ground with positive attributes showing up both for assignments and no assignments, we recommend the following regarding assignments associated with the eighteen narrowband channels for which the RPC's have responsibility.

Channel #'s 1-4 and 949-952 are set aside as generic channels for use by public safety agencies operating within Region 5, and the complementary channel #'s 961-964 and 1909-1912 are set aside as generic channels also for use by public safety agencies including GPS differential correction telemetry for channels 961964 and 1909-1912 likewise operating within Region 5.

Channel #'s 5-8 are designated as Fire Protection channels for licensing and exclusive use by the Fire Protection discipline, and the complementary channel #'s 965-968 are set aside as Law Enforcement channels also for licensing and exclusive use by the Law Enforcement discipline.

Channel #'s 955-956 are set aside as Fire Protection channels for licensing and exclusive use by the Fire Protection discipline, and the complementary channel #'s 1915-1916 are set aside as Law Enforcement channels also for licensing and exclusive use by the Law Enforcement discipline.

Channel #'s 957-958 are set aside as Fire Protection/Law Enforcement channels for licensing and use by the Fire Protection and Law Enforcement disciplines, and the complementary channel #'s 1917-1918 are set aside as Fire Protection/Law Enforcement

<sup>&</sup>lt;sup>3</sup> See paragraphs 35 through 39 in FCC's Third Memorandum Opinion and Order for WT Docket No. 9686 adopted September 18, 2000.

Simplex operations may occur on either the base or mobile channels. Users are cautioned to coordinate on scene use among all agencies involved. Users should license multiple channels and be prepared to operate on alternate channels at any given operational area.

#### 8.3. System Implementation

Most areas in Southern California will be precluded from immediately implementing systems due to protection requirements of existing television stations. These stations may not move until year 2006, or after, depending on the 85% market penetration of digital TV implementation.

Therefore, this plan will not require agencies to implement systems using the 700 MHz spectrum allocated to them until TV station(s) requiring protection relocate to another TV channel. After that date, agencies must release a System RFP within one year and sign a contract with a vendor within one year of releasing the System RFP. For the State of California only, implementation of general use channels shall be governed by FCC rule 90.529(b) and (c). This exception for the State is intended to keep the overall implementation of the State's 700 MHz spectrum consistent with the State licensing rules for the state only channels.

If an agency does not implement in the timeframes specified, that agency's allotment may be removed from the allotment list. An Agency may file a request with the Region Chair for an extension of time to implement. The request should include all details describing why the agency has not implemented and a new implementation schedule. The Committee Chair will advertise this request and set a date for the full committee to vote on the request. If no request for extension is received or the Committee votes not to extend implementation, the Committee Chair will advertise this action and set a filing window to give other agencies a chance to request an allotment of that spectrum.

## 8.4. Priority for Receiving Spectrum Allocations

All agencies, with two exceptions, received spectrum allocations as requested. AMR requested 24 voice channels and the State of California Emergency Medical Services Authority (EMSA), asked for a general EMS allocation of 10 voice channels. These requests were combined into one EMS pool allocation for EMS use, to be administered by the State EMSA. This pool is for any EMS provider to use under EMSA guidelines. The other exception was for requests by several small cities in Los Angeles County for spectrum for police operations. This exception is explained below.

The cities of Arcadia, Azusa, Glendora, Maywood, Southgate, Bell, Vernon, and Downey all requested a small number of voice channels for police operations. The City and County of Los Angeles police radio systems are on UHF spectrum (450 to 512 MHz), as is most other cities in the Los Angeles basin. These systems have established mutual aid channels and procedures in place. The County of Los Angeles Sheriff is in the early stage of planning radio system upgrades. It is likely those upgrades will allow the Sheriff to host other agencies on their system. It would be more spectrum efficient and facilitate mutual aid if the above agencies joined the Sheriff's system, thus making it a multi-agency system. Also, the Sheriff should complete it's upgrade before the 700 MHz spectrum will be available for use

in that area, thus giving relief in a shorter time frame to those cities.

For those reasons this plan does not allocate spectrum to the above listed cities, but instead urges them and the Los Angeles Sheriff to come to agreement for multi-agency use of the Sheriff's system. In the event that no agreement can be reached between any or all of the parties, those cities will be allocated spectrum under this plan. Those allotments will be taken from the allotment provided the County of Los Angeles on a one-for-one channel basis.

### 8.5. Priority Matrix

In the event that future spectrum requests conflict and cannot all be accommodated, the following matrix will be used to determine priority for allotment. This matrix will only be used if two requests are received in the same time frame. Otherwise, the first come first served procedure of Section 5.2 will be used.

Priority is given to users fundamentally involved with the protection of life and Property Priority is given to shared multi-agency systems. These systems can be either groups of separate departments within a larges agency or groups of agencies operating together under a large blanket agency.

Immediate documented funding must be available to construct the system using these 700 MHz frequencies.

This process, if required will be treated as a dispute and the procedures outlined in Section 5.6 using the above criteria will be used to allot the frequencies.

# 9. Coordination with Adjacent Regions

The adjacent Regions (Northern California, Nevada and Arizona) are not as far along in the planning process as Southern California. The Chair sent final draft copies of this plan to the conveners or Chair, as appropriate, to each adjacent region. Over half of the total General Use narrowband channels will be available to adjacent regions. Excepting the Las Vegas, Nevada, area, the border regions are sparsely populated and generally the NPSPAC 821/866 MHz band frequencies are not built out. Therefore, adjacent regions should be able to satisfy voice and narrowband data requests along their border areas with Region 5. If Nevada has problems satisfying requests in the Las Vegas area, this committee pledges to work with Nevada to resolve any issues. The adjacent regions concurred with this as shown in Appendix F.

# 10. Spectrum utilization

In the two high population density areas of Southern California, the Los Angeles/Orange County basin and San Diego, spectrum for public safety is chronically short to support all needs. Southern California is a leader in spectrum efficient use of public safety spectrum.

Before narrowband equipment was available, through research and testing by the County of San Bernardino, 12.5 kHz offset frequencies were used under wavier to geographically short space compared to normal co-channel spacing. This was implemented at 800 MHz and extended to 470 to 512 MHz by many other agencies under wavier of FCC rules. These efforts were the basis for spacing the NPSPAC channels every 12.5 kHz. The NPSPAC plan for Southern California also contains the strictest RF signal levels for reuse of any in the nation. Agencies are required to maintain 40 dBµ in their coverage area and have reduced signals to only 35 dbµ for adjacent 12.5 kHz channel and 20 dBµ for co-channel at the border with respective agencies. A case in point, this resulted in co-channel sharing between the County of San Bernardino and the City of Los Angeles, only 35 miles apart. Adjacent channel sharing between the County of Riverside and the County of Los Angeles, about 10 miles between borders is another example of efficient spectrum sharing. These are only two of many short spaced systems in use in Southern California.

With this plan the public safety providers are striving to utilize the spectrum as efficiently as possible. The requests for voice and narrowband data totaled 880 channels. To satisfy this need the spectrum workgroup examined the requests, along with additional information requested of all agencies, to identify any duplicate requests from multi-agency systems, or any requests that were considered unreasonable to satisfy real needs over the next 15 years.

From this, the workgroup found that some Los Angeles County Cities would be best served by joining the Los Angeles County Sheriff's UHF system. The Committee will work with all parties to accomplish this. In the event that the Sheriff cannot accommodate the agencies then their needs will be met by reducing the County of Los Angeles allotment as required.

The spectrum workgroup also recommended that allotments be made on the basis of one 6.25 kHz channel for each voice channel request and two 6.25 kHz channels for each narrowband data channel request. This recommendation is approved by the full Committee and is part of this plan. This allows for the full agency needs to be met and the committee believes also conforms to the FCC intent to require use of technology that yields one voice path for each 6.25 kHz of spectrum.

Due to the existing TV assignments and HDTV assignments, most of Southern California cannot use this spectrum until the HDTV implementation is completed. This may be sooner or later than 2006. Given this uncertainty, this plan does not limit an agency from initially implementing (if it conforms to FCC rules) a technology that yields less than one voice channel per 6.25 kHz channel or aggregating narrowband data into 25 kHz blocks. The agencies are on notice that they will not receive additional allotments due to using technology that yields less than one voice channel per 6.25 kHz of spectrum or narrowband data of less than

19.2 kbps per 12.5 kHz of spectrum.

CHAN #	BASE FREQUENCY	A REGIONAL PLANNING COMMITTEEFR USER	USER	USER	USER
#	(MHz)	USER	USER	USER	USER
1	769.003125	LOW POWER	BASE - LOCAL PUBLIC SAFETY	MOBILE - GPS / TELEMETRY	
	769.009375		BASE - LOCAL PUBLIC SAFETY	MOBILE - GPS / TELEMETRY	
	769.015625		BASE - LOCAL PUBLIC SAFETY	MOBILE - GPS / TELEMETRY	
	769.021875	LOW POWER	BASE - LOCAL PUBLIC SAFETY	MOBILE - GPS / TELEMETRY	
	769.028125 769.034375	LOW POWER LOW POWER	BASE - FIRE BASE - FIRE	MOBILE - LAW MOBILE - LAW	
	769.040625		BASE - FIRE	MOBILE - LAW	
	769.046875		BASE - FIRE	MOBILE - LAW	
	769.053125	LOW POWER	NATIONAL	NATIONAL	
11	769.059375 769.065625	LOW POWER LOW POWER	NATIONAL NATIONAL	NATIONAL NATIONAL	
12	769.071875	LOW POWER	NATIONAL	NATIONAL	
13	769.078125	LONG BEACH TRANSIT			
14 15	769.084375 769.090625	LONG BEACH TRANSIT LONG BEACH TRANSIT			
16	769.096875	LONG BEACH TRANSIT			
17	769.103125	LONG BEACH TRANSIT			
18	769.109375	LONG BEACH TRANSIT			
19 20	769.115625 769.121875	LONG BEACH TRANSIT LONG BEACH TRANSIT			
21	769.128125	RESERVE			
22	769.134375	RESERVE			
23	769.140625	SECONDARY TRUNKING			
24 25	769.146875 769.153125	SECONDARY TRUNKING STATE OF CALIFORNIA			
26	769.159375	STATE OF CALIFORNIA			
27	769.165625	STATE OF CALIFORNIA			
28 29	769.171875 769.178125	STATE OF CALIFORNIA			
30	769.178125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
31	769.190625	STATE OF CALIFORNIA			
32	769.196875	STATE OF CALIFORNIA			
33 34	769.203125 769.209375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
35	769.215625	STATE OF CALIFORNIA			
36	769.221875	STATE OF CALIFORNIA			
37 38	769.228125 769.234375	RESERVE RESERVE			
39	769.240625	I/O NATIONWIDE CALL			
40	769.246875	I/O NATIONWIDE CALL			
41 42	769.253125 769.259375	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
13	769.265625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
44	769.271875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
45	769.278125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
46 47	769.284375 769.290625	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
48	769.296875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
19	769.303125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
50 51	769.309375 769.315625	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
52	769.315625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
53	769.328125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
54	769.334375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
55 56	769.340625 769.346875	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
57	769.353125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
58	769.359375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
60	769.365625 769.371875	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
5 <b>1</b>	769.378125	RESERVE	COUNTY OF SAIN DIEGO		
62	769.384375	RESERVE			
53 64	769.390625 769.396875	INTEROPERABILITY INTEROPERABILITY			
55	769.403125	STATE OF CALIFORNIA			
66	769.409375	STATE OF CALIFORNIA			
67	769.415625	STATE OF CALIFORNIA			
68 59	769.421875 769.428125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
70	769.434375	STATE OF CALIFORNIA			
71	769.440625	STATE OF CALIFORNIA			
72	769.446875	STATE OF CALIFORNIA			
73 74	769.453125 769.459375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
75	769.465625	STATE OF CALIFORNIA			
76	769.471875	STATE OF CALIFORNIA			
77	769.478125	RESERVE RESERVE			
70					
78 79	769.484375 769.490625	INTEROPERABILITY			

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#	FREQUENCY (MHz)	USER	USER	USER	USER
81 82	769.503125 769.509375	COUNTY OF ORANGE COUNTY OF ORANGE	VENTURA COUNTY VENTURA COUNTY	CITY OF POMONA CITY OF POMONA	
83	769.515625	COUNTY OF ORANGE	VENTURA COUNTY	CITY OF POMONA	
84	769.521875	COUNTY OF ORANGE	VENTURA COUNTY	CITY OF POMONA	
85	769.528125	COUNTY OF ORANGE	VENTURA COUNTY		
86	769.534375	COUNTY OF ORANGE	VENTURA COUNTY		
87	769.540625	COUNTY OF ORANGE	VENTURA COUNTY		
88	769.546875	COUNTY OF ORANGE	VENTURA COUNTY		
89 90	769.553125 769.559375	COUNTY OF ORANGE COUNTY OF ORANGE	VENTURA COUNTY VENTURA COUNTY		
91	769.565625	COUNTY OF ORANGE	VENTURA COUNTY		
92	769.571875	COUNTY OF ORANGE	VENTURA COUNTY		
93	769.578125	COUNTY OF ORANGE	SAN LUIS OBISPO COUNTY		
94	769.584375	COUNTY OF ORANGE	SAN LUIS OBISPO COUNTY		
95 96	769.590625 769.596875	COUNTY OF ORANGE COUNTY OF ORANGE	SAN LUIS OBISPO COUNTY SAN LUIS OBISPO COUNTY		
97	769.603125	COUNTY OF ORANGE	SAN LUIS OBISPO COUNTY		
98	769.609375	COUNTY OF ORANGE	SAN LUIS OBISPO COUNTY		
99	769.615625	COUNTY OF ORANGE	SAN LUIS OBISPO COUNTY		
100	769.621875	COUNTY OF ORANGE	SAN LUIS OBISPO COUNTY		
101 102	769.628125 769.634375	RESERVE RESERVE			
103	769.640625	SECONDARY TRUNKING			
104	769.646875	SECONDARY TRUNKING			
105 106	769.653125 769.659375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
107	769.665625	STATE OF CALIFORNIA			
108	769.671875	STATE OF CALIFORNIA			
109	769.678125	STATE OF CALIFORNIA			
110	769.684375	STATE OF CALIFORNIA			
111 112	769.690625 769.696875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
113	769.703125	STATE OF CALIFORNIA			
114	769.709375	STATE OF CALIFORNIA			
115	769.715625	STATE OF CALIFORNIA			
116 117	769.721875 769.728125	STATE OF CALIFORNIA RESERVE			
118	769.734375	RESERVE			
119	769.740625	INTEROPERABILITY			
120	769.746875	INTEROPERABILITY	GTEN OF GAN PIEGO		
121 122	769.753125 769.759375	CITY OF LONG BEACH CITY OF LONG BEACH	CITY OF SAN DIEGO CITY OF SAN DIEGO		
123	769.765625	CITY OF LONG BEACH	CITY OF SAN DIEGO		
124	769.771875	CITY OF LONG BEACH	CITY OF SAN DIEGO		
125	769.778125	CITY OF LONG BEACH	CITY OF SAN DIEGO		
126 127	769.784375 769.790625	CITY OF LONG BEACH CITY OF LONG BEACH	CITY OF SAN DIEGO CITY OF SAN DIEGO		
128	769.796875	CITY OF LONG BEACH	CITY OF SAN DIEGO		
129	769.803125	CITY OF LONG BEACH	CITY OF SAN DIEGO		
130	769.809375	CITY OF LONG BEACH	CITY OF SAN DIEGO		
131	769.815625	CITY OF LONG BEACH	CITY OF SAN DIEGO		
132 133	769.821875 769.828125	CITY OF LONG BEACH CITY OF LONG BEACH	CITY OF SAN DIEGO CITY OF SAN DIEGO		
134	769.834375	CITY OF LONG BEACH	CITY OF SAN DIEGO		
135	769.840625	CITY OF LONG BEACH	CITY OF SAN DIEGO		
136	769.846875	CITY OF LONG BEACH	CITY OF SAN DIEGO		
137 138	769.853125 769.859375	CITY OF LONG BEACH CITY OF LONG BEACH	CITY OF SAN DIEGO CITY OF SAN DIEGO		
139	769.865625	CITY OF LONG BEACH	CITY OF SAN DIEGO		
140	769.871875	CITY OF LONG BEACH	CITY OF SAN DIEGO		
141	769.878125	RESERVE			
142 143	769.884375 769.890625	RESERVE INTEROPERABILITY			
144	769.896875	INTEROPERABILITY			
145	769.903125	STATE OF CALIFORNIA			
146	769.909375	STATE OF CALIFORNIA			
147 148	769.915625 769.921875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
149	769.928125	STATE OF CALIFORNIA			
150	769.934375	STATE OF CALIFORNIA			
151	769.940625	STATE OF CALIFORNIA			
152 153	769.946875 769.953125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
153	769.953125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
155	769.965625	STATE OF CALIFORNIA			
156	769.971875	STATE OF CALIFORNIA			
157 158	769.978125 769.984375	RESERVE RESERVE			
159	769.990625	INTEROPERABILITY			
160	769.996875	INTEROPERABILITY			

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169   779.05315   COUNTY OF LOS ANGELES   COUNTY OF COUNTY OF LOS ANGELES						
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172 770,071875 COUNTY OF LOS ANGELESS COUNTY OF SAN DISEGO COUNTY OF SAN						
173 770.078235 COUNTY OF LOS ANGELESS COUNTY OF SAM DIRECT	171	770.065625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
176	172	770.071875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
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176 779,096875 COURTY OF LOS ANGELES COURTY OF SAN DIRECT COURTY OF SAN DIRECT COURTY OF LOS ANGELES COURTY OF SAN DIRECT COURTY OF SAN DIRECT COURTY OF LOS ANGELES COURTY OF SAN DIRECT COURTY OF LOS ANGELES COURTY OF SAN DIRECT COURTY C						
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176 776,109375 COUNTY OF LOS ANGELES COUNTY OF SAN DIBSO COUNTY OF GAMES C						
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180 770-121875 BENEVER  181 770-14058 BENOMEN'S PRINCESS  183 770-150185 BENOMEN'S PRINCESS  184 770-150185 BENOMEN'S PRINCESS  185 770-150185 BENOMEN'S PRINCESS  186 770-150185 BENOMEN'S PRINCESS  187 770-150185 BENOMEN'S PRINCESS  188 770-150185 BENOMEN'S PRINCESS  188 770-150185 BENOMEN'S PRINCESS  188 770-150185 BENOMEN'S PRINCESS  189 770-150185 BENOMEN'S PRINCESS  190 770-160185 BENOMEN'S PRINCESS  191 770-160185 BENOMEN'S PRINCESS  192 770-160185 BENOMEN'S PRINCESS  193 770-160185 BENOMEN'S PRINCESS  194 770-160185 BENOMEN'S PRINCESS  195 770-160185 BENOMEN'S PRINCESS  196 770-160185 BENOMEN'S PRINCESS  197 770-160185 BENOMEN'S PRINCESS  198 770-160185 BENOMEN'S PRINCESS  198 770-160185 BENOMEN'S PRINCESS  198 770-160185 BENOMEN'S PRINCESS  199 770-160185 BENOMEN'S PRINCESS  199 770-160185 BENOMEN'S PRINCESS  190 770-160185 COUNTY OF GRANDE CITY OF SIMI VALLEY  201 770-160185 COUNTY OF GRANDE CITY OF SIMI VALLEY  202 770-160185 COUNTY OF GRANDE CITY OF SIMI VALLEY  203 770-160185 COUNTY OF GRANDE CITY OF SIMI VALLEY  204 770-160185 COUNTY OF GRANDE CITY OF GRANDE CITY OF SIMI VALLEY  205 770-160185 COUNTY OF GRANDE CITY OF GRANDE CITY OF SIMI VALLEY  206 770-160185 COUNTY OF GRANDE CITY OF						
152						
1842   770.140625   SECURIARY TENDERS     1846   770.159275   SECURIARY TENDERS     1857   770.159275   SECURIARY TENDERS     1867   770.159275   SECURIARY TENDERS     1868   770.179275   STATE OF CALIFORNIA     1878   770.159275   STATE OF CALIFORNIA     1870   770.159275   STATE OF CALIFORNIA     192   770.100625   STATE OF CALIFORNIA     192   770.100625   STATE OF CALIFORNIA     192   770.100625   STATE OF CALIFORNIA     193   770.200215   STATE OF CALIFORNIA     194   770.200215   STATE OF CALIFORNIA     195   770.200215   STATE OF CALIFORNIA     196   770.200215   STATE OF CALIFORNIA     197   770.200215   STATE OF CALIFORNIA     198   770.200215   COUNTY OF CALIFORNIA     198   770		770.128125				
184 770.180975 SECONDARY TERROR MAN 185 770.180975 STATE OF CALIFORNIA BEAUTY TERROR MAN 185 770.280975 STATE OF CALIFORNIA BEAUTY TERROR MAN 185 770.280975 STATE OF CALIFORNIA BEAUTY TERROR MAN 185 770.280975 COUNTY OF GRANDE CITY OF SIM! VALLEY COUNTY OF GRANDE CITY OF GRANDE CITY OF SIM! VALLEY COUNTY OF GRANDE CITY OF GRANDE CITY OF SIM! VALLEY COUNTY OF GRANDE CITY OF GRANDE CITY OF SIM! VALLEY COUNTY OF GRANDE CITY OF GR						
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186 770.159375 STATE OF CALIFORNIA   187 770.159375 STATE OF CALIFORNIA   188 770.173975 STATE OF CALIFORNIA   188 770.173975 STATE OF CALIFORNIA   191 770.150625 STATE OF CALIFORNIA   191 770.150625 STATE OF CALIFORNIA   192 770.150625 STATE OF CALIFORNIA   192 770.150625 STATE OF CALIFORNIA   193 770.050123 STATE OF CALIFORNIA   193 770.050123 STATE OF CALIFORNIA   195 770.2502375 STATE OF CALIFORNIA   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF GRANGE CITY OF SIMI VALLEY   195 770.250235 COUNTY OF GRANGE CITY OF G						
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223 770.396875 INTEROPERABILITY 224 770.396875 INTEROPERABILITY 225 770.403125 STATE OF CALIFORNIA 226 770.409375 STATE OF CALIFORNIA 227 770.415625 STATE OF CALIFORNIA 228 770.421875 STATE OF CALIFORNIA 229 770.428125 STATE OF CALIFORNIA 230 770.434375 STATE OF CALIFORNIA 231 770.444625 STATE OF CALIFORNIA 232 770.446875 STATE OF CALIFORNIA 233 770.453125 STATE OF CALIFORNIA 234 770.459375 STATE OF CALIFORNIA 235 770.465625 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY						
224 770.396875 INTEROPERABILITY  225 770.403125 STATE OF CALIFORNIA  226 770.409375 STATE OF CALIFORNIA  227 770.415625 STATE OF CALIFORNIA  228 770.421875 STATE OF CALIFORNIA  229 770.428125 STATE OF CALIFORNIA  230 770.434375 STATE OF CALIFORNIA  231 770.446875 STATE OF CALIFORNIA  232 770.446875 STATE OF CALIFORNIA  233 770.459375 STATE OF CALIFORNIA  234 770.459375 STATE OF CALIFORNIA  235 770.465625 STATE OF CALIFORNIA  236 770.471875 STATE OF CALIFORNIA  237 770.478125 RESERVE  238 770.484375 RESERVE  239 770.484375 RESERVE  239 770.484375 RESERVE  239 770.484375 RESERVE						
226 770.409375 STATE OF CALIFORNIA 227 770.415625 STATE OF CALIFORNIA 228 770.421875 STATE OF CALIFORNIA 229 770.428125 STATE OF CALIFORNIA 230 770.434375 STATE OF CALIFORNIA 231 770.446875 STATE OF CALIFORNIA 232 770.446875 STATE OF CALIFORNIA 234 770.459375 STATE OF CALIFORNIA 235 770.459375 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.488125 STATE OF CALIFORNIA 238 770.488125 RESERVE 238 770.488175 RESERVE 239 770.490625 INTEROPERABILITY	224	770.396875				
227 770.415625 STATE OF CALIFORNIA 228 770.421875 STATE OF CALIFORNIA 229 770.428125 STATE OF CALIFORNIA 230 770.434375 STATE OF CALIFORNIA 231 770.440625 STATE OF CALIFORNIA 232 770.446875 STATE OF CALIFORNIA 233 770.4453125 STATE OF CALIFORNIA 234 770.453125 STATE OF CALIFORNIA 235 770.465625 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.471875 STATE OF CALIFORNIA 237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY						
228 770.421875 STATE OF CALIFORNIA 229 770.428125 STATE OF CALIFORNIA 230 770.434375 STATE OF CALIFORNIA 231 770.440625 STATE OF CALIFORNIA 232 770.440675 STATE OF CALIFORNIA 233 770.453125 STATE OF CALIFORNIA 234 770.459375 STATE OF CALIFORNIA 235 770.465625 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.471875 STATE OF CALIFORNIA 238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY						
229 770.428125 STATE OF CALIFORNIA 230 770.434375 STATE OF CALIFORNIA 231 770.446025 STATE OF CALIFORNIA 232 770.446875 STATE OF CALIFORNIA 233 770.453125 STATE OF CALIFORNIA 234 770.459375 STATE OF CALIFORNIA 235 770.465625 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.48025 INTEROPERABILITY						
230 770.434375 STATE OF CALIFORNIA 231 770.440625 STATE OF CALIFORNIA 232 770.446875 STATE OF CALIFORNIA 233 770.453125 STATE OF CALIFORNIA 234 770.459375 STATE OF CALIFORNIA 235 770.465625 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY						
231 770.440625 STATE OF CALIFORNIA 232 770.446875 STATE OF CALIFORNIA 233 770.453125 STATE OF CALIFORNIA 234 770.459375 STATE OF CALIFORNIA 235 770.465625 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY						
232 770.446875 STATE OF CALIFORNIA 233 770.453125 STATE OF CALIFORNIA 234 770.459375 STATE OF CALIFORNIA 235 770.465625 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY						
234 770.459375 STATE OF CALIFORNIA 235 770.465625 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY	232	770.446875	STATE OF CALIFORNIA			
235 770.465625 STATE OF CALIFORNIA 236 770.471875 STATE OF CALIFORNIA 237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.496625 INTEROPERABILITY						
236 770.471875 STATE OF CALIFORNIA 237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY						
237 770.478125 RESERVE 238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY						
238 770.484375 RESERVE 239 770.490625 INTEROPERABILITY						
239 770.490625 INTEROPERABILITY						
		770.490625				
240 //0.4966/5 INTEROPERABILITY	240	770.496875	INTEROPERABILITY			

777777		A REGIONAL PLANNING COMMITTEE FR	REQUENCY ALLOCATION PLAN		
#	BASE FREQUENCY (MHz)	USER	USER	USER	USER
241	770.503125	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
242	770.509375	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
243	770.515625	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
244	770.521875	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
245	770.528125	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
246	770.534375	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
247	770.540625	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
248	770.546875	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
249 250	770.553125 770.559375	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	CITY OF SAN DIEGO CITY OF SAN DIEGO		
250	770.565625	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
252	770.571875	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
253	770.578125	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
254	770.584375	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
255	770.590625	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
256	770.596875	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
257	770.603125	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
258	770.609375	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
259 260	770.615625 770.621875	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
260 261	770.621875	RESERVE	CITY OF SAN DIEGO		
262	770.634375	RESERVE			
263	770.640625	SECONDARY TRUNKING			
264	770.646875	SECONDARY TRUNKING			
265	770.653125	STATE OF CALIFORNIA			
266	770.659375	STATE OF CALIFORNIA			
267	770.665625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
268 269	770.671875 770.678125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
.03 270	770.684375	STATE OF CALIFORNIA			
271	770.690625	STATE OF CALIFORNIA			
272	770.696875	STATE OF CALIFORNIA			
273	770.703125	STATE OF CALIFORNIA			
274	770.709375	STATE OF CALIFORNIA			
275	770.715625	STATE OF CALIFORNIA			
276	770.721875 770.728125	STATE OF CALIFORNIA			
277 278	770.728125	RESERVE RESERVE			
	770.740625				
280	770.746875	I/O LOW SPEED DATA	COUNTY OF IMPERIAL		
281 282	770.753125 770.759375	COUNTY OF ORANGE			
283					
284		COUNTY OF ORANGE	COUNTY OF IMPERIAL		
	770.765625	COUNTY OF ORANGE	COUNTY OF IMPERIAL COUNTY OF IMPERIAL		
285			COUNTY OF IMPERIAL		
	770.765625 770.771875	COUNTY OF ORANGE COUNTY OF ORANGE	COUNTY OF IMPERIAL COUNTY OF IMPERIAL COUNTY OF IMPERIAL		
285	770.765625 770.771875 770.778125 770.784375 770.790625	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
285 286 287 288	770.765625 770.771875 770.778125 770.784375 770.790625 770.796875	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
285 286 287 288 289	770.765625 770.771875 770.778125 770.784375 770.790625 770.796875 770.803125	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
285 286 287 288 289 290	770.765625 770.771875 770.778125 770.784375 770.790625 770.796875 770.803125 770.809375	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
285 286 287 288 289 290	770.765625 770.771875 770.778125 770.784375 770.79625 770.796875 770.803125 770.80375 770.815625	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
285 286 287 288 289 290	770.765625 770.771875 770.778125 770.778125 770.790625 770.796875 770.803125 770.803375 770.815625 770.821875	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
285 286 287 288 289 290 291 292	770.765625 770.771875 770.778125 770.784375 770.79625 770.796875 770.803125 770.80375 770.815625	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
285 286 287 288 289 290 291 292	770.765625 770.771875 770.778125 770.784375 770.790625 770.796875 770.803125 770.803375 770.815625 770.828125	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
285 286 287 288 289 290 291 292 293 294 295 296	770.765625 770.771875 770.778125 770.784375 770.79625 770.796875 770.809375 770.809375 770.815625 770.828125 770.834375 770.846875	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
285 286 287 288 289 290 291 292 293 294 295 296	770.765625 770.771875 770.778125 770.784375 770.79625 770.796875 770.803125 770.803125 770.815625 770.821875 770.821875 770.834375 770.840625 770.846875 770.846875	COUNTY OF ORANGE	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY	
285 286 287 288 289 290 291 292 293 294 295 296 297 298	770.765625 770.771875 770.778125 770.778125 770.796875 770.796875 770.803125 770.803125 770.815625 770.821875 770.828125 770.834375 770.846625 770.846875 770.846875 770.853125	COUNTY OF ORANGE	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY	
285 286 287 288 289 290 291 292 293 2294 295 296 297 298	770.765625 770.771875 770.778125 770.784375 770.79625 770.803125 770.809375 770.815625 770.821875 770.834375 770.846875 770.846875 770.853125 770.853125 770.853125 770.853125 770.853125 770.853125 770.865625	COUNTY OF ORANGE	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 287 288 289 2290 291 292 293 294 295 296 297 298 299	770.765625 770.771875 770.778125 770.784375 770.796875 770.803125 770.803125 770.815625 770.821875 770.834375 770.834375 770.834375 770.840625 770.840625 770.853125 770.853125 770.859375 770.859375 770.865625 770.871875	COUNTY OF ORANGE	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY	
285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300	770.765625 770.771875 770.778125 770.784375 770.796825 770.796875 770.803125 770.803125 770.815625 770.828125 770.828125 770.828125 770.846875 770.846875 770.853125 770.859375 770.865625 770.878125	COUNTY OF CRANGE COUNTY OF ORANGE	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 287 288 289 2290 291 292 293 294 295 296 297 298 299	770.765625 770.771875 770.778125 770.784375 770.796875 770.803125 770.803125 770.815625 770.821875 770.834375 770.834375 770.834375 770.840625 770.840625 770.853125 770.853125 770.859375 770.859375 770.865625 770.871875	COUNTY OF ORANGE	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 287 288 288 290 291 292 293 294 295 296 297 298 299 300 300 300 300	770.765625 770.771875 770.778125 770.784375 770.79625 770.803125 770.803125 770.809375 770.815625 770.821875 770.828125 770.846875 770.846875 770.853125 770.853125 770.871875 770.871875	COUNTY OF ORANGE	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 287 2288 289 290 291 292 293 294 295 297 298 297 298 299 300 301 302 303 304	770.765625 770.771875 770.778125 770.784375 770.796875 770.803125 770.803125 770.815625 770.821875 770.824125 770.834375 770.846875 770.853125 770.853125 770.865525 770.871875 770.871875 770.884375 770.871875 770.884375 770.871875 770.884375 770.884375 770.884375 770.884375 770.894875 770.894875 770.894875 770.896875 770.903125	COUNTY OF ORANGE COUNTY	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 287 2288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306	770.765625 770.778125 770.778125 770.784375 770.796875 770.803125 770.803125 770.815625 770.828125 770.828125 770.834375 770.846875 770.8533125 770.8533125 770.853375 770.853375 770.878125 770.9003125 770.903125	COUNTY OF ORANGE COUNTY	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 286 287 2288 289 290 292 293 294 295 296 297 300 301 302 303 304 305 307	770.765625 770.778125 770.778125 770.784375 770.796875 770.803125 770.803125 770.815625 770.828125 770.828125 770.834375 770.846875 770.859375 770.865625 770.871875 770.896875 770.896875 770.903125 770.903125 770.903125 770.90375	COUNTY OF ORANGE COUNTY ORANGE COUNTY OF ORANGE COUNTY ORA	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 286 288 288 290 291 292 294 295 296 297 298 299 300 301 302 303 304	770.765625 770.771875 770.778125 770.784375 770.796875 770.803125 770.803125 770.815625 770.821875 770.834375 770.846875 770.8553125 770.859375 770.865625 770.871875 770.8896875 770.896875 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125	COUNTY OF ORANGE COUNTY	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 286 288 288 290 291 292 294 295 296 297 2298 300 301 302 303 304 305 306	770.765625 770.778125 770.778125 770.784375 770.796875 770.803125 770.803125 770.803125 770.828125 770.828125 770.828125 770.846875 770.846875 770.853125 770.853125 770.878125 770.878125 770.878125 770.896875 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125 770.903125	COUNTY OF ORANGE ASSERVE INTEROPERABILITY INTEROPERABILITY STATE OF CALIFORNIA STATE OF CALIFORNIA STATE OF CALIFORNIA	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 286 288 288 289 291 292 293 294 295 297 298 297 298 290 300 301 302 303 304 307 308 309 309 309 309 309 309 309 309	770.765625 770.778125 770.778125 770.784375 770.79625 770.803125 770.803125 770.815625 770.828125 770.846875 770.846875 770.846875 770.846875 770.846875 770.846875 770.847875 770.894375 770.93425 770.933125	COUNTY OF ORANGE COUNTY	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 288 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 307 3308 3308 3308 3310 3310	770.765625 770.771875 770.778125 770.784375 770.796875 770.803125 770.803125 770.815625 770.821875 770.834375 770.846875 770.859375 770.859375 770.871875 770.8789675 770.97087875 770.970875 770.970875 770.970875 770.970875 770.970875 770.970875 770.9708775 770.970875	COUNTY OF ORANGE COUNTY	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
885 889 9286 8889 9291 9292 9294 9295 9296 9297 9298 9299 93300 9330 9330 93310 93311 93312	770.765625 770.778125 770.778125 770.784375 770.784375 770.796875 770.803125 770.803125 770.815625 770.828125 770.828125 770.834375 770.846875 770.853125 770.853125 770.878125 770.878125 770.878125 770.878125 770.896875 770.903125 770.903125 770.915625 770.915625 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.931325 770.93135 770.93135 770.93135 770.93135 770.93135 770.93135 770.93135 770.93135 770.93135	COUNTY OF ORANGE RESERVE RESERVE INTEROPERABILITY INTEROPERABILITY STATE OF CALIFORNIA	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 288 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 307 3308 3308 3308 3310 3310	770.765625 770.771875 770.778125 770.784375 770.796875 770.803125 770.803125 770.815625 770.821875 770.834375 770.846875 770.859375 770.859375 770.871875 770.8789675 770.97087875 770.970875 770.970875 770.970875 770.970875 770.970875 770.970875 770.9708775 770.970875	COUNTY OF ORANGE COUNTY	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
285 286 887 288 887 288 887 288 889 8290 2992 2992 2992 2992 2995 3000 3000 3000 3000 3000 3000 3000 3	770.765625 770.771875 770.778125 770.784375 770.796875 770.803125 770.80325 770.815625 770.821875 770.846875 770.846875 770.846875 770.845625 770.871875 770.89525 770.973125	COUNTY OF ORANGE RESERVE RESERVE INTEROPERABILITY INTEROPERABILITY STATE OF CALIFORNIA	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
185 185 186 187 188 187 188 189 189 189 189 189 189 189 189 189	770.765625 770.771875 770.778125 770.784375 770.796875 770.803125 770.803125 770.815625 770.828125 770.828125 770.834375 770.846875 770.853125 770.865625 770.871875 770.896875 770.993375 770.993375 770.9934875 770.9953125 770.953125 770.953125 770.953125 770.953125 770.953125 770.953125 770.953125 770.953125 770.953125 770.953125 770.956625 770.956625 770.971875	COUNTY OF ORANGE RESERVE INTEROPERABILITY INTEROPERABILITY INTEROPERABILITY STATE OF CALIFORNIA	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
885 887 8887 8889 8889 8889 8991 8991 8991	770.765625 770.778125 770.778125 770.784375 770.79625 770.803125 770.803125 770.803125 770.803125 770.815625 770.828125 770.834375 770.846875 770.853125 770.853125 770.8787875 770.896875 770.896875 770.996875 770.934375 770.946875 770.946875 770.946875 770.946875 770.953125 770.946875 770.955225	COUNTY OF ORANGE COUNTY	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	

CHAN	BASE	CALIFORNIA REGIONAL PLANNING COMMITTEE FREQUENCY ALLOCATION PLAN				
#	FREQUENCY	USER	USER	USER	USER	
	(MHz)					
320	770.996875	INTEROPERABILITY				
321	771.003125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
322 323	771.009375 771.015625	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO			
324	771.013025	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
325	771.021075	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
326	771.034375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
327	771.040625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
328	771.046875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
329	771.053125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
330	771.059375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
331	771.065625 771.071875	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO			
332 333	771.071875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
334	771.084375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
335	771.090625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
336	771.096875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
337	771.103125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
338	771.109375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
339	771.115625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
340	771.121875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO			
342 342	771.128125	STATE OF CALIFORNIA				
342 343	771.134375 771.140625	STATE OF CALIFORNIA STATE OF CALIFORNIA				
344	771.140825	STATE OF CALIFORNIA STATE OF CALIFORNIA				
345	771.140075	STATE OF CALIFORNIA				
346	771.159375	STATE OF CALIFORNIA				
347	771.165625	STATE OF CALIFORNIA				
348	771.171875	STATE OF CALIFORNIA				
349	771.178125	STATE OF CALIFORNIA				
350	771.184375	STATE OF CALIFORNIA				
352	771.190625	STATE OF CALIFORNIA				
352 353	771.196875 771.203125	STATE OF CALIFORNIA STATE OF CALIFORNIA				
354	771.203125	STATE OF CALIFORNIA				
355	771.215625	STATE OF CALIFORNIA				
356	771.221875	STATE OF CALIFORNIA				
357	771.228125	COUNTY OF ORANGE	COUNTY OF IMPERIAL			
358	771.234375	COUNTY OF ORANGE	COUNTY OF IMPERIAL			
359	771.240625	COUNTY OF ORANGE	COUNTY OF IMPERIAL			
360	771.246875	COUNTY OF ORANGE	COUNTY OF IMPERIAL	CTTV OF CTVT WALLEY		
361 362	771.253125 771.259375	COUNTY OF ORANGE COUNTY OF ORANGE	COUNTY OF IMPERIAL COUNTY OF IMPERIAL	CITY OF SIMI VALLEY CITY OF SIMI VALLEY		
363	771.265625	COUNTY OF ORANGE	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY		
364	771.271875	COUNTY OF ORANGE	COUNTY OF IMPERIAL	CITY OF SIMI VALLEY		
365	771.278125	COUNTY OF ORANGE				
366	771.284375	COUNTY OF ORANGE				
367	771.290625	COUNTY OF ORANGE				
368	771.296875	COUNTY OF ORANGE				
369	771.303125	STATE OF CALIFORNIA EMS / AMR				
370	771.309375	STATE OF CALIFORNIA EMS / AMR				
371 372	771.315625 771.321875	STATE OF CALIFORNIA EMS / AMR STATE OF CALIFORNIA EMS / AMR				
372	771.321875	STATE OF CALIFORNIA EMS / AMR				
374	771.334375	STATE OF CALIFORNIA EMS / AMR				
375	771.340625	STATE OF CALIFORNIA EMS / AMR				
376	771.346875	STATE OF CALIFORNIA EMS / AMR				
377	771.353125	STATE OF CALIFORNIA EMS / AMR				
378	771.359375	STATE OF CALIFORNIA EMS / AMR				
379 200	771.365625	STATE OF CALIFORNIA EMS / AMR				
380 881	771.371875 771.378125	STATE OF CALIFORNIA EMS / AMR STATE OF CALIFORNIA				
382	771.378125	STATE OF CALIFORNIA STATE OF CALIFORNIA				
383	771.394575	STATE OF CALIFORNIA				
384	771.396875	STATE OF CALIFORNIA				
885	771.403125	STATE OF CALIFORNIA				
386	771.409375	STATE OF CALIFORNIA				
887	771.415625	STATE OF CALIFORNIA				
388	771.421875	STATE OF CALIFORNIA				
390 390	771.428125	STATE OF CALIFORNIA STATE OF CALIFORNIA				
390 391	771.434375 771.440625	STATE OF CALIFORNIA STATE OF CALIFORNIA				
392	771.440625	STATE OF CALIFORNIA STATE OF CALIFORNIA				
392	771.440875	STATE OF CALIFORNIA STATE OF CALIFORNIA				
394	771.459375	STATE OF CALIFORNIA				
395	771.465625	STATE OF CALIFORNIA				
396	771.471875	STATE OF CALIFORNIA				
397 398	771.478125	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO			
	771.484375	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO	1	T. Control of the Con	

700ms\_frequency\_assignment\_table\_December 2007 wo

AN #	BASE FREQUENCY	USER	USER	USER	USER
	(MHz)				
00	771.496875	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		S
1	771.503125	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
2	771.509375	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
3	771.515625	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
14	771.521875	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
5	771.528125	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
16 7	771.534375 771.540625	CITY OF LOS ANGELES CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO		
8	771.546875	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDING		
9	771.553125	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
10	771.559375	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
1	771.565625	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
12	771.571875	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
3	771.578125	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
.4	771.584375	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
5	771.590625	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
16 7	771.596875	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDING		
18	771.603125 771.609375	CITY OF LOS ANGELES CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO		
9	771.615625	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
20	771.621875	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
1	771.628125	STATE OF CALIFORNIA			
22	771.634375	STATE OF CALIFORNIA			
3	771.640625	STATE OF CALIFORNIA			
24	771.646875	STATE OF CALIFORNIA			
5 26	771.653125 771.659375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
7 7	771.659375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
28	771.671875	STATE OF CALIFORNIA			
9	771.678125	STATE OF CALIFORNIA			
30	771.684375	STATE OF CALIFORNIA			
1	771.690625	STATE OF CALIFORNIA			
32	771.696875	STATE OF CALIFORNIA			
3	771.703125	STATE OF CALIFORNIA			
34 5	771.709375	STATE OF CALIFORNIA			
5 36	771.715625 771.721875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
7	771.721875	LA COUNTY MTA			
38	771.734375	LA COUNTY MTA			
9	771.740625	LA COUNTY MTA			
10	771.746875	LA COUNTY MTA			
1	771.753125	LA COUNTY MTA			
12	771.759375	LA COUNTY MTA			
3	771.765625	LA COUNTY MTA			
14 5	771.771875 771.778125	LA COUNTY MTA LA COUNTY MTA			
16	771.778125	LA COUNTY MTA			
7	771.790625	LA COUNTY MTA			
18	771.796875	LA COUNTY MTA			
9	771.803125	LA COUNTY MTA			
50	771.809375	LA COUNTY MTA			
1	771.815625	LA COUNTY MTA			
2	771.821875	LA COUNTY MTA			
3	771.828125	LA COUNTY MTA LA COUNTY MTA			
54 5	771.834375 771.840625	LA COUNTY MTA  LA COUNTY MTA			
6	771.846875	LA COUNTY MTA			
7	771.853125	LA COUNTY MTA			
8	771.859375	LA COUNTY MTA			
9	771.865625	LA COUNTY MTA			
0	771.871875	LA COUNTY MTA			
1	771.878125	STATE OF CALIFORNIA			
<i>2</i> 3	771.884375	STATE OF CALIFORNIA			
4	771.890625 771.896875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
5	771.896875	STATE OF CALIFORNIA			
6	771.909375	STATE OF CALIFORNIA			
7	771.915625	STATE OF CALIFORNIA			
8	771.921875	STATE OF CALIFORNIA			
9	771.928125	STATE OF CALIFORNIA			
0	771.934375	STATE OF CALIFORNIA			
1	771.940625	STATE OF CALIFORNIA			
2	771.946875 771.953125	STATE OF CALIFORNIA  UCLA / UC			
3 '4	771.953125	UCLA / UC UCLA / UC			
5	771.965625	UCLA / UC			
5 '6	771.963625	UCLA / UC			
7	771.978125	UCLA / UC			
78	771.984375	UCLA / UC			
9	771.990625	UCLA / UC		1	

CHAN	BASE	HORB	Henn	TATE	Wann
#	FREQUENCY (MHz)	USER	USER	USER	USER
400					
480 481	771.996875 772.003125	UCLA / UC CSU			
482	772.003125	CSU			
483	772.015625	CSU			
484	772.021875	CSU			
485	772.028125	PALOS VERDES ESTATES			
486	772.034375	PALOS VERDES ESTATES			
487	772.040625	PALOS VERDES ESTATES			
488	772.046875	PALOS VERDES ESTATES			
489	772.053125	STATE OF CALIFORNIA			
490	772.059375	STATE OF CALIFORNIA			
491	772.065625	STATE OF CALIFORNIA			
492	772.071875	STATE OF CALIFORNIA			
493	772.078125	STATE OF CALIFORNIA			
494	772.084375	STATE OF CALIFORNIA			
495	772.090625	STATE OF CALIFORNIA			
496	772.096875	STATE OF CALIFORNIA			
497	772.103125	STATE OF CALIFORNIA			
498	772.109375	STATE OF CALIFORNIA			
499 500	772.115625 772.121875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
500	772.121875	COUNTY OF RIVERSIDE			
502	772.134375	COUNTY OF RIVERSIDE			
502	772.134375	COUNTY OF RIVERSIDE			
504	772.146875	COUNTY OF RIVERSIDE			
505	772.153125	COUNTY OF RIVERSIDE	CITY OF SIMI VALLEY	CITY OF POMONA	
506	772.159375	COUNTY OF RIVERSIDE	CITY OF SIMI VALLEY	CITY OF POMONA	
507	772.165625	COUNTY OF RIVERSIDE	CITY OF SIMI VALLEY	CITY OF POMONA	
508	772.171875	COUNTY OF RIVERSIDE	CITY OF SIMI VALLEY	CITY OF POMONA	
509	772.178125	COUNTY OF RIVERSIDE			
510	772.184375	COUNTY OF RIVERSIDE			
511	772.190625	COUNTY OF RIVERSIDE			
512	772.196875	COUNTY OF RIVERSIDE			
513	772.203125	COUNTY OF RIVERSIDE			
514	772.209375	COUNTY OF RIVERSIDE			
515	772.215625	COUNTY OF RIVERSIDE			
516	772.221875	COUNTY OF RIVERSIDE			
517	772.228125	COUNTY OF RIVERSIDE			
518	772.234375	COUNTY OF RIVERSIDE			
519	772.240625	COUNTY OF RIVERSIDE			
520 521	772.246875 772.253125	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE			
522	772.253125	COUNTY OF RIVERSIDE			
523	772.265625	COUNTY OF RIVERSIDE			
524	772.271875	COUNTY OF RIVERSIDE			
525	772.278125	STATE OF CALIFORNIA			
526	772.284375	STATE OF CALIFORNIA			
527	772.290625	STATE OF CALIFORNIA			
528	772.296875	STATE OF CALIFORNIA			
529	772.303125	STATE OF CALIFORNIA			
530	772.309375	STATE OF CALIFORNIA			
531	772.315625	STATE OF CALIFORNIA			
532	772.321875	STATE OF CALIFORNIA			
533	772.328125	STATE OF CALIFORNIA			
534	772.334375	STATE OF CALIFORNIA			
535	772.340625	STATE OF CALIFORNIA			
536	772.346875	STATE OF CALIFORNIA			
537	772.353125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
538 539	772.359375 772.365625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
540	772.365625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
541	772.371875	STATE OF CALIFORNIA EMS / AMR			
542	772.384375	STATE OF CALIFORNIA EMS / AMR			
543	772.390625	STATE OF CALIFORNIA EMS / AMR			
544	772.396875	STATE OF CALIFORNIA EMS / AMR			
545	772.403125	STATE OF CALIFORNIA EMS / AMR			
546	772.409375	STATE OF CALIFORNIA EMS / AMR			
547	772.415625	STATE OF CALIFORNIA EMS / AMR			
548	772.421875	STATE OF CALIFORNIA EMS / AMR			
549	772.428125	STATE OF CALIFORNIA EMS / AMR			
550	772.434375	STATE OF CALIFORNIA EMS / AMR			
551	772.440625	STATE OF CALIFORNIA EMS / AMR			
552	772.446875	STATE OF CALIFORNIA EMS / AMR			
553	772.453125	LA COUNTY MTA			
554	772.459375	LA COUNTY MTA			
555	772.465625	LA COUNTY MTA			
556	772.471875	LA COUNTY MTA			
557	772.478125	LA COUNTY MTA			
558	772.484375 772.490625	LA COUNTY MTA LA COUNTY MTA			

	COMMITTED AND TEODER	  LA RE <del>GIONAL PLANNING COMMITTEE</del> FRI	TOURNOY ALLOCATION DIAM		
CHAN #	BASE FREQUENCY (MHz)	USER	USER	USER	USER
560	772.496875	LA COUNTY MTA			
561	772.490075	LA COUNTY MTA			
562	772.509375	LA COUNTY MTA			
563 564	772.515625 772.521875	LA COUNTY MTA LA COUNTY MTA			
565	772.528125	STATE OF CALIFORNIA			
566	772.534375	STATE OF CALIFORNIA			
567 568	772.540625 772.546875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
569	772.553125	STATE OF CALIFORNIA			
570 571	772.559375 772.565625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
572	772.571875	STATE OF CALIFORNIA			
573	772.578125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
574 575	772.584375 772.590625	STATE OF CALIFORNIA			
576	772.596875	STATE OF CALIFORNIA			
577 578	772.603125 772.609375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
579	772.615625	STATE OF CALIFORNIA			
580 581	772.621875 772.628125	STATE OF CALIFORNIA CITY OF LOS ANGELES			
582	772.634375	CITY OF LOS ANGELES			
583	772.640625	CITY OF LOS ANGELES			
584 585	772.646875 772.653125	CITY OF LOS ANGELES CITY OF LOS ANGELES			
586	772.659375	CITY OF LOS ANGELES			
587 588	772.665625 772.671875	CITY OF LOS ANGELES CITY OF LOS ANGELES			
589	772.678125	CITY OF LOS ANGELES	COUNTY OF RIVERSIDE		
590	772.684375	CITY OF LOS ANGELES	COUNTY OF RIVERSIDE		
591 592	772.690625 772.696875	CITY OF LOS ANGELES CITY OF LOS ANGELES	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE		
593	772.703125	CITY OF LOS ANGELES	COUNTY OF RIVERSIDE		
594 595	772.709375 772.715625	CITY OF LOS ANGELES CITY OF LOS ANGELES	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE		
596	772.721875	CITY OF LOS ANGELES	COUNTY OF RIVERSIDE		
597	772.728125	CITY OF LOS ANGELES	COUNTY OF RIVERSIDE		
598 599	772.734375 772.740625	CITY OF LOS ANGELES CITY OF LOS ANGELES	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE		
600	772.746875	CITY OF LOS ANGELES	COUNTY OF RIVERSIDE		
601 602	772.753125 772.759375	CITY OF LOS ANGELES CITY OF LOS ANGELES	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE		
603	772.765625	CITY OF LOS ANGELES	COUNTY OF RIVERSIDE		
604 605	772.771875 772.778125	CITY OF LOS ANGELES STATE OF CALIFORNIA	COUNTY OF RIVERSIDE		
606	772.778123	STATE OF CALIFORNIA			
607	772.790625	STATE OF CALIFORNIA			
608 609	772.796875 772.803125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
610	772.809375	STATE OF CALIFORNIA			
611 612	772.815625 772.821875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
613	772.828125	STATE OF CALIFORNIA			
614 615	772.834375 772.840625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
616	772.846875	STATE OF CALIFORNIA			
617	772.853125	STATE OF CALIFORNIA			
618 619	772.859375 772.865625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
620	772.871875	STATE OF CALIFORNIA			
621 622	772.878125 772.884375	COUNTY OF ORANGE COUNTY OF ORANGE	KERN COUNTY KERN COUNTY	CITY OF SIMI VALLEY CITY OF SIMI VALLEY	
623	772.890625	COUNTY OF ORANGE	KERN COUNTY	CITY OF SIMI VALLEY	
624 625	772.896875 772.903125	COUNTY OF ORANGE COUNTY OF ORANGE	KERN COUNTY KERN COUNTY	CITY OF SIMI VALLEY	
626	772.909375	COUNTY OF ORANGE	KERN COUNTY		
627	772.915625	COUNTY OF ORANGE	KERN COUNTY		
628 629	772.921875 772.928125	COUNTY OF ORANGE COUNTY OF ORANGE	KERN COUNTY KERN COUNTY		
630	772.934375	COUNTY OF ORANGE	KERN COUNTY		
631 632	772.940625 772.946875	COUNTY OF ORANGE COUNTY OF ORANGE	KERN COUNTY KERN COUNTY		
633	772.953125	COUNTY OF ORANGE	SANTA BARBARA COUNTY		
634	772.959375	COUNTY OF ORANGE	SANTA BARBARA COUNTY		
635 636	772.965625 772.971875	COUNTY OF ORANGE COUNTY OF ORANGE	SANTA BARBARA COUNTY SANTA BARBARA COUNTY		
637	772.978125	COUNTY OF ORANGE	SANTA BARBARA COUNTY		
638 639	772.984375 772.990625	COUNTY OF ORANGE COUNTY OF ORANGE	SANTA BARBARA COUNTY SANTA BARBARA COUNTY		
533		COOLLI OF ORMOD	DIATITI DIADMON COUNTI	T .	ı

HAN #	BASE FREQUENCY	USER	USER	USER	USER
	(MHz)				
40	772.996875	COUNTY OF ORANGE	SANTA BARBARA COUNTY		
1 42	773.003125 773.009375	INTEROPERABLITY INTEROPERABLITY			
42 13	773.009373	RESERVE			
44	773.021875	RESERVE			
45 46	773.028125 773.034375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
40 47	773.040625	STATE OF CALIFORNIA			
48	773.046875	STATE OF CALIFORNIA			
49 50	773.053125 773.059375	STATE OF CALIFORNIA			
51	773.059375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
52	773.071875	STATE OF CALIFORNIA			
53 54	773.078125 773.084375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
55	773.090625	STATE OF CALIFORNIA			
56	773.096875	STATE OF CALIFORNIA			
57	773.103125	SECONDARY TRUNKING			
58 <b>59</b>	773.109375 773.115625	SECONDARY TRUNKING RESERVE			
60	773.121875	RESERVE			
51	773.128125	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
62 53	773.134375 773.140625	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	CITY OF SAN DIEGO CITY OF SAN DIEGO		
64	773.146875	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
55	773.153125 773.159375	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	CITY OF SAN DIEGO CITY OF SAN DIEGO		
66 67	773.165625	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
68	773.171875	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
69 570	773.178125 773.184375	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	CITY OF SAN DIEGO CITY OF SAN DIEGO		
71	773.194375	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
72	773.196875	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
73 74	773.203125 773.209375	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	CITY OF SAN DIEGO CITY OF SAN DIEGO		
75	773.209375	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
76	773.221875	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
77	773.228125	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
578 79	773.234375 773.240625	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	CITY OF SAN DIEGO CITY OF SAN DIEGO		
80	773.246875	COUNTY OF LOS ANGELES	CITY OF SAN DIEGO		
81 82	773.253125 773.259375	I/O NATIONWIDE CALL I/O NATIONWIDE CALL			
83	773.265625	RESERVE			
84	773.271875	RESERVE			
85 86	773.278125 773.284375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
87	773.290625	STATE OF CALIFORNIA			
88	773.296875	STATE OF CALIFORNIA			
89 '90	773.303125 773.309375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
91	773.315625	STATE OF CALIFORNIA			
92 93	773.321875 773.328125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
94	773.326125	STATE OF CALIFORNIA			
95	773.340625	STATE OF CALIFORNIA			
96 97	773.346875 773.353125	STATE OF CALIFORNIA INTEROPERABLITY			
98	773.359375	INTEROPERABLITY			
99	773.365625	RESERVE			
00 01	773.371875 773.378125	RESERVE COUNTY OF ORANGE	CITY OF VENTURA		
02	773.384375	COUNTY OF ORANGE	CITY OF VENTURA		
0.4	773.390625	COUNTY OF ORANGE COUNTY OF ORANGE	CITY OF VENTURA		
04 05	773.396875 773.403125	COUNTY OF ORANGE  COUNTY OF ORANGE	CITY OF VENTURA CITY OF VENTURA		
06	773.409375	COUNTY OF ORANGE	CITY OF VENTURA		
07	773.415625	COUNTY OF ORANGE	CITY OF VENTURA		
08 )9	773.421875 773.428125	COUNTY OF ORANGE COUNTY OF ORANGE	CITY OF VENTURA CITY OF VENTURA		
10	773.434375	COUNTY OF ORANGE	CITY OF VENTURA		
11	773.440625	COUNTY OF ORANGE	CITY OF VENTURA		
12 13	773.446875 773.453125	COUNTY OF ORANGE COUNTY OF ORANGE	CITY OF VENTURA COUNTY OF IMPERIAL		
14	773.459375	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
15	773.465625	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
16 17	773.471875 773.478125	COUNTY OF ORANGE COUNTY OF ORANGE	COUNTY OF IMPERIAL COUNTY OF IMPERIAL		
	773.484375	COUNTY OF ORANGE	COUNTY OF IMPERIAL		

1/3/2008

#	FREQUENCY	USER	USER	USER	USER
	(MHz)				
20	773.496875	COUNTY OF ORANGE	COUNTY OF IMPERIAL		
21 722	773.503125 773.509375	INTEROPERABLITY INTEROPERABLITY			
23	773.515625	RESERVE			
724	773.521875	RESERVE			
25 726	773.528125 773.534375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
27	773.540625	STATE OF CALIFORNIA			
728	773.546875	STATE OF CALIFORNIA			
29 730	773.553125 773.559375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
31	773.565625	STATE OF CALIFORNIA			
732	773.571875	STATE OF CALIFORNIA			
'33 734	773.578125 773.584375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
35	773.590625	STATE OF CALIFORNIA			
736	773.596875	STATE OF CALIFORNIA			
'37 738	773.603125 773.609375	SECONDARY TRUNKING SECONDARY TRUNKING			
/38   <mark>39</mark>	773.615625	RESERVE			
740	773.621875	RESERVE			
41 742	773.628125 773.634375	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
43	773.640625	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
744	773.646875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
45 746	773.653125 773.659375	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
47	773.665625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
748	773.671875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
49 750	773.678125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
51	773.684375 773.690625	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
752	773.696875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
53	773.703125 773.709375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
754 '55	773.715625	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
756	773.721875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
57	773.728125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
758 '59	773.734375 773.740625	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
760	773.746875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
762	773.753125 773.759375	INTEROPERABLITY INTEROPERABLITY			
763	773.765625	RESERVE			
764	773.771875	RESERVE			
65 766	773.778125 773.784375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
67	773.790625	STATE OF CALIFORNIA			
768	773.796875	STATE OF CALIFORNIA			
69 770	773.803125 773.809375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
770 71	773.809375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
772	773.821875	STATE OF CALIFORNIA			
73 774	773.828125 773.834375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
75	773.840625	STATE OF CALIFORNIA			
776	773.846875	STATE OF CALIFORNIA			
77 778	773.853125 773.859375	INTEROPERABLITY INTEROPERABLITY			
79	773.865625	RESERVE			
780	773.871875	RESERVE	KEDN COMMUN		
81 782	773.878125 773.884375	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE	KERN COUNTY KERN COUNTY		
83	773.890625	COUNTY OF RIVERSIDE	KERN COUNTY		
784	773.896875	COUNTY OF RIVERSIDE	KERN COUNTY		
85 786	773.903125 773.909375	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE	KERN COUNTY KERN COUNTY		
87	773.915625	COUNTY OF RIVERSIDE	KERN COUNTY		
788	773.921875	COUNTY OF RIVERSIDE	KERN COUNTY		
89 790	773.928125 773.934375	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE	KERN COUNTY KERN COUNTY		
91	773.940625	COUNTY OF RIVERSIDE	KERN COUNTY		
792	773.946875	COUNTY OF RIVERSIDE	KERN COUNTY		
93 794	773.953125 773.959375	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE	SANTA BARBARA COUNTY SANTA BARBARA COUNTY		
95	773.965625	COUNTY OF RIVERSIDE	SANTA BARBARA COUNTY		
796	773.971875	COUNTY OF RIVERSIDE	SANTA BARBARA COUNTY		
797 798	773.978125 773.984375	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE	SANTA BARBARA COUNTY SANTA BARBARA COUNTY		
120	113.204313	COUNTY OF RIVERSIDE COUNTY OF RIVERSIDE	SANIA DARDARA COUNTI		

CHAN	BASE	TA REGIONAL PLANNING COMMITTEE FR			
#	FREQUENCY	USER	USER	USER	USER
	(MHz)				
800	773.996875	COUNTY OF RIVERSIDE	SANTA BARBARA COUNTY		
801	774.003125	INTEROPERABLITY			
802	774.009375	INTEROPERABLITY			
803 804	774.015625 774.021875	RESERVE RESERVE			
805	774.028125	STATE OF CALIFORNIA			
806	774.034375	STATE OF CALIFORNIA			
807 808	774.040625 774.046875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
809	774.053125	STATE OF CALIFORNIA			
810	774.059375	STATE OF CALIFORNIA			
811 812	774.065625 774.071875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
813	774.078125	STATE OF CALIFORNIA			
814	774.084375	STATE OF CALIFORNIA			
815	774.090625	STATE OF CALIFORNIA			
816 817	774.096875 774.103125	STATE OF CALIFORNIA SECONDARY TRUNKING			
818	774.109375	SECONDARY TRUNKING			
819	774.115625	RESERVE			
<b>820</b> 821	774.121875 774.128125	RESERVE CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
822	774.126125	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDING		
823	774.140625	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
824 825	774.146875	CITY OF LOS ANGELES CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO		
825	774.153125 774.159375	CITY OF LOS ANGELES CITY OF LOS ANGELES	COUNTY OF SAN BERNARDING		
827	774.165625	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
828	774.171875	CITY OF LOS ANGELES	COUNTY OF SAN BERNARDINO		
829 830	774.178125 774.184375	CITY OF LOS ANGELES CITY OF LOS ANGELES	CITY OF SAN DIEGO CITY OF SAN DIEGO		
831	774.190625	CITY OF LOS ANGELES	CITY OF SAN DIEGO		
832	774.196875	CITY OF LOS ANGELES	CITY OF SAN DIEGO		
833 834	774.203125 774.209375	CITY OF LOS ANGELES CITY OF LOS ANGELES	CITY OF SAN DIEGO CITY OF SAN DIEGO		
835	774.215625	CITY OF LOS ANGELES	CITY OF SAN DIEGO		
836	774.221875	CITY OF LOS ANGELES	CITY OF SAN DIEGO		
837	774.228125	CITY OF LOS ANGELES	CITY OF SAN DIEGO		
838 839	774.234375 774.240625	CITY OF LOS ANGELES CITY OF LOS ANGELES	CITY OF SAN DIEGO CITY OF SAN DIEGO		
840	774.246875	CITY OF LOS ANGELES	CITY OF SAN DIEGO		
841	774.253125	INTEROPERABLITY			
842 843	774.259375 774.265625	INTEROPERABLITY RESERVE			
844	774.271875	RESERVE			
845	774.278125	STATE OF CALIFORNIA			
846 847	774.284375 774.290625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
848	774.296875	STATE OF CALIFORNIA			
849	774.303125	STATE OF CALIFORNIA			
850 851	774.309375 774.315625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
851 852	774.315625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
853	774.328125	STATE OF CALIFORNIA			
854	774.334375	STATE OF CALIFORNIA			
855 856	774.340625 774.346875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
857	774.353125	INTEROPERABLITY			
858	774.359375	INTEROPERABLITY			
859 860	774.365625 774.371875	RESERVE RESERVE			
861	774.378125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
862	774.384375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
363 864	774.390625 774.396875	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
365	774.403125	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
866	774.409375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
367 060	774.415625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
868 369	774.421875 774.428125	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
870	774.434375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
371	774.440625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
872 373	774.446875 774.453125	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
874	774.459375	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
875	774.465625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
876	774.471875	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		
877 878	774.478125 774.484375	COUNTY OF LOS ANGELES COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO COUNTY OF SAN DIEGO		
	774.490625	COUNTY OF LOS ANGELES	COUNTY OF SAN DIEGO		l .

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CHAN	BASE				
#	FREQUENCY (MHz)	USER	USER	USER	USER
880 881	774.496875 774.503125	COUNTY OF LOS ANGELES INTEROPERABLITY	COUNTY OF SAN DIEGO		
882	774.509375	INTEROPERABLITY			
883 884	774.515625 774.521875	RESERVE			
885	774.521875	RESERVE STATE OF CALIFORNIA			
886	774.534375	STATE OF CALIFORNIA			
887 888	774.540625 774.546875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
889	774.553125	STATE OF CALIFORNIA			
890 891	774.559375 774.565625	STATE OF CALIFORNIA			
892	774.505025	STATE OF CALIFORNIA STATE OF CALIFORNIA			
893	774.578125	STATE OF CALIFORNIA			
894 895	774.584375 774.590625	STATE OF CALIFORNIA STATE OF CALIFORNIA			
896	774.596875	STATE OF CALIFORNIA			
897 898	774.603125 774.609375	SECONDARY TRUNKING SECONDARY TRUNKING			
898 899	774.615625	RESERVE			
900	774.621875	RESERVE		OTTO OF TOUR	
901 902	774.628125 774.634375	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO	VENTURA COUNTY VENTURA COUNTY	CITY OF POMONA CITY OF POMONA	
903	774.640625	COUNTY OF SAN BERNARDINO	VENTURA COUNTY	CITY OF POMONA	
904 905	774.646875 774.653125	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO	VENTURA COUNTY VENTURA COUNTY	CITY OF POMONA	
905	774.653125	COUNTY OF SAN BERNARDING	VENTURA COUNTY		
907	774.665625	COUNTY OF SAN BERNARDINO	VENTURA COUNTY		
908 909	774.671875 774.678125	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO	VENTURA COUNTY VENTURA COUNTY		
910	774.684375	COUNTY OF SAN BERNARDINO	VENTURA COUNTY		
911 912	774.690625 774.696875	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO	VENTURA COUNTY VENTURA COUNTY		
913	774.703125	COUNTY OF SAN BERNARDING	SAN LUIS OBISPO COUNTY		
914	774.709375	COUNTY OF SAN BERNARDING	SAN LUIS OBISPO COUNTY		
915 916	774.715625 774.721875	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO	SAN LUIS OBISPO COUNTY SAN LUIS OBISPO COUNTY		
917	774.728125	COUNTY OF SAN BERNARDINO	SAN LUIS OBISPO COUNTY		
918 919	774.734375 774.740625	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO	SAN LUIS OBISPO COUNTY SAN LUIS OBISPO COUNTY		
920	774.746875	COUNTY OF SAN BERNARDINO	SAN LUIS OBISPO COUNTY		
921 922		I/O LOW SPEED DATA I/O LOW SPEED DATA			
923	774.765625	RESERVE			
924	774.771875	RESERVE			
925 926	774.778125 774.784375	STATE OF CALIFORNIA STATE OF CALIFORNIA			
927	774.790625	STATE OF CALIFORNIA			
928 929	774.796875 774.803125	STATE OF CALIFORNIA STATE OF CALIFORNIA			
930	774.809375	STATE OF CALIFORNIA			
931 932	774.815625 774.821875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
933	774.828125	STATE OF CALIFORNIA			
934	774.834375	STATE OF CALIFORNIA			
935 936	774.840625 774.846875	STATE OF CALIFORNIA STATE OF CALIFORNIA			
937	774.853125	INTEROPERABLITY			
938 939	774.859375 774.865625	INTEROPERABLITY RESERVE			
940	774.871875	RESERVE			
941 942	774.878125 774.884375	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO			
942	774.890625	COUNTY OF SAN BERNARDINO			
944	774.896875 774.903125	COUNTY OF SAN BERNARDING			
945 946	774.903125 774.909375	COUNTY OF SAN BERNARDINO COUNTY OF SAN BERNARDINO			
947	774.915625	COUNTY OF SAN BERNARDINO			
948	774.921875 774.928125	COUNTY OF SAN BERNARDINO LOW POWER	BASE - LOCAL PUBLIC SAFETY	MOBILE - GPS / TELEMETRY	
950		LOW POWER	BASE - LOCAL PUBLIC SAFETY	MOBILE - GPS / TELEMETRY	
951 952		LOW POWER LOW POWER	BASE - LOCAL PUBLIC SAFETY BASE - LOCAL PUBLIC SAFETY	MOBILE - GPS / TELEMETRY MOBILE - GPS / TELEMETRY	
952		LOW POWER	BASE - LOCAL PUBLIC SAFETY	MOBILE - GPS / TELEMETRY MOBILE - GPS / TELEMETRY	
954		LOW POWER	BASE - LOCAL PUBLIC SAFETY	MOBILE - GPS / TELEMETRY	
955 956		LOW POWER LOW POWER	BASE - FIRE BASE - FIRE	MOBILE - LAW MOBILE - LAW	
957		LOW POWER	BASE - FIRE	MOBILE - LAW	
958 959		LOW POWER LOW POWER	BASE - FIRE NATIONAL	MOBILE - LAW NATIONAL	
939	774.990025	LOW FOWER	NATIONAL	NATIONAL	

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CHAN #	SOUTHERN CALIFORN BASE FREQUENCY (MHz)	TA RE <del>GIONAL PLANNING COMMITTEE</del> FRI USER	QUEN <del>CY ALLOCATION PLAN</del> USER	USER	USER
960	774.996875	LOW POWER	NATIONAL	NATIONAL	

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### 700 MHz Regional Planning September 2, 1999

NAME	AGENCY	ADDRESS	PHONE
Steve Beeferman	Data Radio	6160 Peachtree Dunwoody Rd, Atlanta, Ga	77 392-0002
Casey Chel	Long Beach Fire Department	6326 Pine Ave, Bell, Ca. 90201	562 570-1024
Frank Westphal	City of Pomona	Box 660, Pomona, Ca 91769	909 620-2089
Chuck Luckey	Long Beach	1601 San Francisco, Long Beach, Ca.	562 570-3250
Bryan Hawkins	City of Long Beach	1601 San Francisco Ave, Long Beach, Ca	562 570 2787
Roger Melton	State of California DGS	601 Sequoia Pacific Blvd., Sacramento	916 657-9132
Travis Williams	County of Los Angeles	1110 N. Eastman Ave., Los Angeles, Ca	323 267-3004
Gary Poon	Los Angeles County	1110 N. Eastman Ave., Los Angeles, Ca	323 267-3004
Ken Mitchell	California Highway Patrol	860 Stillwater, West Sacramento, Ca.	916 375-2720
Dave Vigil	City of Long Beach	1601 San Francisco, Long Beach, Ca.	562 570-2787
John Sarkissian	County of Riverside	7195 Alessandro, Riverside, Ca 90506	909 955-2533
Gary David Gray	County of Orange	840 N. Eckloff, Ste. 104, Orange, Ca.	714 704-7911
Preston Thornson	State of California DGS	601 Sequoia Pacific Blvd. Sacramento	916 657-9264
Randy Laughl	County of Los Angeles	9299 Star View Dr., Riverside	626 458-4104
Martin Lainez	City of Los Angeles	250 E. First St., Rm 1400 Los Angeles, Ca.	213 847-6688
Bill Snyder	Greater Los Angeles Chapter American Red Cross	26033 Coronado Ct., Valencia, Ca. 91355	661 255-3760
Glen Nash	State of California	601 Sequoia Pacific Blvd., Sacramento	916 657-9454
Jaime Duenas	UCLA	741 S. Charles Young, Los Angeles	310 206-7103
Jim Longthorne	Los Angeles County-DPW	900 W. Fremont, Alhambra, Ca	926-458-6983
Mehrdad Lurijaniha	City of Los Angeles	250 E. First St., #1400 Los Angeles, Ca.	213 847-2373
Thinh Dinh	City of Los Angeles	250 E. First St., #1400, Los Angeles, Ca.	213 847-6682
Jeffry Johnson	Long Beach Police Department	400 W. Broadway, Long Beach, Ca. 90802	562 570-6681

### 700 MHz Regional Planning March 13, 2002 Meeting

NAME	AGENCY	ADDRESS	PHONE
Don Miller	City of Long Beach	1601 San Francisco, Long Beach, Ca.	562-570-2787
Robert Uribe	City of Long Beach	1601 San Francisco, Long Beach, Ca.	562-570-2787
Joe Parrino	City of Montebello	311 S. Greenwood Ave.	323-887-4635
Richard Whittlesely	County of San Diego	555 Overland Ave, San Diego 92123	858 495-5455
Bryan Hawkins	City of Long Beach	1601 San Francisco, Long Beach, Ca.	562-570-2787
Ken Mann	City of Los Angeles	250 E. First St., Los Angeles, Rm 1400	213 847-2397
Thinh Dinh	City of Los Angeles	250 E. First St., Los Angeles 90012	213 847-6687
Gary Gray	County of Orange	840 N. Eckhoff St., Ste 104, Orange,Ca	714-704-7911
Chuck Luckey	Long Beach, Ca.	1601 San Francisco, Long Beach	562-570-2787
Frank Westphal	City of Pomona	P.O. Box, Pomona, Ca, 91766	909 620-2089
Mike Mockler	Los Angeles Co Mass Transit Authority	One Gateway Plaza, MS 99-08-04, L.A	213 922 3434
Garrett Mayer	Los Angeles County	1110 N. Eastern, Los Angeles 90063	323 267-2616
Gerald Cooper	Los Angeles County Sheriff's	1277 N. Eastern, Los Angeles 90063	323-267-3476
Gary Poon	Los Angeles County ISD/Comm	1110 N. Eastern, Los Angeles 90063	323-267-3004
Jaime Duenas	UCLA	741 Charles Young Dr., S. Los Angeles	310 206-7103
Ken Norton	City of San Diego	1220 Caminto Centro, San Diego	619-525-8655
Barbara Mathews	City of Simi Valley	2929 Tapo Cyn Rd, Simi Valley, Ca.	805-583-6848
Linda DeChaine	West End Communication Authority	or Rancho Cucamonga, Ca. 91730	909 466-7210
Hank Williams	M/A-COM	40 Pointe Dr. Brea, Ca. 92821	714 672-5392
Brian Dawson	M/A-COM	40 Pointe Dr. Brea, Ca. 92821	714 672-5396
Robert Stoffel	County of Orange	840 N. Echoff St. #104, Orange, CA	714 704-7919
Bud DeCamp	State of California DGS	601 Sequoia Pacific Blvd. Sacramento	916 657-9205

### 700 MHz Regional Planning March 13, 2002 Meeting

NAME	AGENCY	ADDRESS	PHONE
Page 2			
Carol Biancalana	State of California EMS Authority	1930 Ninth St. Sacramento	916 322-4336
Angela Azevedo	California Highway Patro	ol 860 Stillwater Rd, West Sacramento	916 375-2501
Travis Williams	Los Angeles County	9150 E. Imperial Hwy, Rm V-121, Downey	, 562 940-3362
John Sarkissian	County of Riverside	6147 Rivercrest Dr., Riverside, Ca. 92507	909 486-7757
Chris Sundlee	Gov's Office of Emergen Services	c 4671 Liberty Ave #283, Los Angeles, Ca.	562-795-7905
Tim Peters	American Medical Respo	o 200 E. Del Mar Blvd. Ste 300 Pasadena, C	626 844-1000
Bob Kovach	Newport Beach P.D.	870 Santa Barbara Dr. Newport Beach, Ca	ı. 949 644-3793
Reza Farahmand	California Dept of Transp	o. 801 Grand Street, Los Angeles, Ca. 90017	213 897-4275
Roger Melton	State of California DGS	601 Sequoia Pacific Blvd., Sacramento	916 657-9132
Ron Wonh	Los Angeles County	1110 N. Eastern, Los Angeles 90063	323 267-3414
Diane Ruber	LA Co Sheriff's	1277 N. Eastern, Los Angeles 90063	323 267-2626

### 700 MHz Regional Planning June 21, 2002 Meeting

NAME	AGENCY	ADDRESS	PHONE
Reginald Manuel	City of Corona	135 N. McKinley, Corona, Ca.	909 736-2228
Andy Probst	Bell PD	6326 Pine Ave, Bell, Ca. 90201	323 585-1245
Thinh Dinh	City of Los Angeles	250 E. First St. Rm 400, Los Angeles, Ca.	213 847-6686
Ken Norton	City of San Diego	1220 Caminito Centro, San Diego	619 525-8655
Jim Tucker	City of Long Beach	1601 San Francisco, Long Beach, Ca.	619 525-8656
Ed King	Long Beach	P.O. Box 731, Long Beach, Ca. 90501	562 591-8753
Joe Parrino	City of Montebello	311 S. Greenwood, Montebello 90640	323 882-4633
Bryan Hawkins	City of Long Beach	1601 San Francisco Ave, Long Beach	562 570-2787
John Sarkissian	County of Riverside	7195 Alessandro, Riverside 92506	909 924-4761
Gary Gray	County of Orange	840 N. Eckhoff St., Ste. 104, Orange, Ca.	714 704-7911
Diane Raber	Los Angeles County	1277 N. Eastern Ave, Los Angeles	323 267-2616
Carri Sabel	Long Beach Transit	1963 E. Anheim	562 599-8527
Jason Bunch		100 N. Sepulveda Blvd., Ste. 1100	310 563-5747
lan Telfer	Cinergy/Representing Long Beach Transit	Box 587, Sunset Bell, Ca. 90742	562 592-9475
Travis Williams	County of Los Angeles	Box 2519, Downey, Ca. 90242	562 940-3362
Frank Westphal	City of Pomona	Box 660, Pomona, Ca. 91766	909 620-2089
Alex Groza	San Diego Police Dept.	1401 Broadway MS 787, San Diego 92101	619 531-2493
Chuck Luckey	City of Long Beach Authority	1601 San Francisco, Long Beach, Ca.	562 570-3256
Jaime Duenas	UCLA	741 E . Charles Young Drive, Los Angeles	310 206-7103
Elizabeth Putrino	Azusa Police Department	725 N. Alameda, Azusa, Ca. 91702	626 812-3200
Bud DeCamp	State of California DGS	601 Sequoia Pacific Blvd. Sacramento	916 657-9205
Roger Melton	State of California DGS	601 Sequoia Pacific Blvd., Sacramento	916 657-9132
Bob Ensminger	State of California DGS	601 Sequoia Pacific Blvd. Sacramento	916 657-9100

### 700 MHz Regional Planning June 21, 2002 Meeting

NAME	AGENCY	ADDRESS	PHONE
Page 2			
Barbara Mathews	City of Simi Valley Department of General Svo	2929 Tapo Cyn Rd, Simi Ca cs	805 583-6848
Don Miller	City of Long Beach	1601 San Francisco, Long Beach, Ca	562 570-2787
Mike Mockler	Los Angeles Mass Transit Authority	One Gateway Plaza, Los Angeles, Ca.	213 922-3434
Preston Thornson	State of California DGS	601 Sequoia Pacific Blvd., Sacramento	916 657-9264
Glen Nash	State of California	601 Sequoia Pacific Blvd., Sacramento	916 657-9454
Ken Mann	City of Los Angeles	250 E. First St., Los Angeles, Ca.	23 847-2397
Ele Tawil	Maywood Police Departme	r 4317 E. Slauson Ave, Maywood, Ca.	909 592-1459
Russ Galbreath	South Gate Police Department	8620 California Ave., South Gate, Ca.	323 563-5457

### 700 MHz Regional Planning April 16, 2003

NAME	AGENCY	ADDRESS	PHONE
Ken Norton	City of San Diego	1220 Caminito Centro, San Diego Ca, 92102	619 525-8655
Robert Uribe	City of Long Beach	5580 Cherry Ave., Long Beach, Ca. 90005	562 570-4801
Frank Westphal	City of Pomona	Box 660, Pomona, Ca 91769	909 620-2089
Hank Williams	M/A-Com Wireless	1600E. Orangethorpe, Fullerton, Ca. 92831	626 918-0049
John Sarkissian	County of Riverside	6147 River Crest Dr., Riverside, Ca. 92507	909 486-7757
Richard Whittlesey	County of San Diego	5555 Overland Ave, San Diego, Ca. 92123	858 495-5455
Susan Braunsdorf	City of Glendale & ICIS	141 N. Glendale Ave, #314, Glendale, Ca	818 548-4804
Mike Mockler	Los Angeles County Co. Metropolitan Transp. Auth	One Gateway Plaza, Los Angeles, Ca. 90012	213 922-3434
Travis Williams	County of Los Angeles	9150 E. Imperial Hwy., Downey, Ca. 90242	562 940-3362
Gary Gray	County of Orange	840 N. Eckhoff St., Ste. 104, Orange, Ca.	714 704-7911
Garrett G. Mayer	Los Angeles County	1110 N. Eastern Ave., Los Angeles, Ca.	323 267-2751
Martin Lainez	City of Los Angeles	250 E. First St., Rm 1400, Los Angeles, Ca.	213 847-6688
Kenneth Mann	City of Los Angeles	250 E. First St., Rm 1400, Los Angeles, Ca.	213 847-2397
Ron Wong	County of Los Angeles	111 N. Eastern Ave, Los Angeles, Ca.	323 267-3414
Gary Poon	County of Los Angeles American Red Cross	1110 N. Eastern Ave. Los Angeles, Ca.	323 267-3414
Jaime C. Duenas	UCLA "Regents"	741 Charles Young East Drive, Los Angeles	310 206-7103
Preston Thomson	State of California DGS Telecommunications	601 Sequoia Pacific Blvd., Sacramento, Ca.	916 657-9264
Glen Nash	State of California DGS Telecommunications	601 Sequoia Pacific Blvd., Sacramento, Ca.	626 458-6983
Steve Miller	Motorola	6450 Sequence Drive, San Diego, Ca. 92121	858 404-4425
Peter Hanbuch	Motorola	6450 Sequence Drive, San Diego, Ca. 92121	858 404-4316
David Christian	Redondo Beach Police Dept	401 Diamont St, Redondo Beach, Ca. 90277	310 379-2477
David Buchanan	County of San Bernardino Department	777 E. Rialto Ave, San Bernardino, Ca.	909 387-3337

Region 5 700 MHz Committee Meeting January 16,2008 Riverside, CA Sign in Sheet

	Name	Agency	Phone
Donald Root JOHN Sarkissian		San Diego Sheriff's Department County of Riverside RCIT	858-694-3903 951-486-7757
Robert Uribe Frank Westphal Ken Shearen Joe Parrino		City of Long Beach City of Pomona South Bay Regional City of Montebello	562-570-4801 909-620-2483 310-973-1802 323-887-4635
James C Donovar Doug Kerr	n	Orange county Carlson Wireless Technologies	714-628-7050 707-433-2477
Anna Holmes		San Diego Sheriff's Department	858.694.3210
Ken Mann Ken Norton Mark Revis Bill Shields		City of Los Angeles City of San Diego Co. of Riverside Diversified Communications Services	213-847-2397 619-525-8655 951-897-8869 562-696-9660
Todd Theilmann		Alcatel-Lucent	714-625-4889
Charles Margiotta		Day Wireless Systems	858-537-0709 ext 210
Tim Graves		State of California	916.657.9260
Mike Rowles		County of San Bernardino	909-388-5971
Sam Filippo		Alcatel-Lucent Communications	818-878-4604
Anthony Rivera		Spectrum Communications	951-371-0549
Gary Poon		County of Los Angeles	323-267-3004

#### Address

5555 Overland Ave., Suite 5105 San Diego, CA92123-12506147 River Crest DR, Riverside, CA 92507

5580 Cherry Ave, Long Beach, CA 90805-5504 Box 660, Pomona, Ca. 91766 4440 Broadway Ave, Hawthorne, CA. 90250 311 Greenwood Ave, Montebello Ca. 90640 840 n Eckhoff st ste 104 Orange, Ca. 92868-1021 1385 8th St. Arcata, CA 95521 5555 Overland Ave., Suite 5105 San Diego, CA 92123-1250

250 E. First St Room 1400, Los Angeles 900121220 Caminito Centro1255 Chicago Ave. Riverside 9250711944 Baker Place Santa Fe Springs 90670

3870 Mistral Drive Huntington Beach, CA 92649

8300 Juniper Creek Suite 100 San Diego Ca 92216 601 Sequoia Pacific Blvd, Sacramento 95811

670 E Gilbert St, San Bernardino, CA 92415

26801 Agoura Rd. Calabasas CA. 91301

226 North Lincoln Avenue Corona, Ca, 92882

1110 N Eastern Av., Los Angeles, CA 90063

# **Appendix C**

Meeting Notices and Minutes



State of California • Arnold Schwarzenegger, Governor State and Consumer Services Agency

# DEPARTMENT OF GENERAL SERVICES

**Telecommunications Division** 

601 Sequoia Pacific Boulevard • Sacramento, CA 95814-0231 • (916) 657-9903 • Fax (916) 657-9259 • www.dgs.ca.gov

January 14, 2008

Mr. David Buchanan, Chair Regional Planning Committee 7445 Palm Avenue Highland, CA 92346

Dear Mr. Buchanan:

Region 5 - 700 MHz Plan

At a Region 700 MHz Regional Planning Committee (RPC) Spectrum Workgroup meeting in 2001, the State of California requested and was allocated use of 120 "General Use" 6.25 kHz – 700 MHz channel pairs. These 120 channel pair were in addition to certain other spectrum identified as "State License" spectrum. Those 120 channels are highlighted in yellow in the attached FCC approved Region 5 Frequency List.

This letter is to inform you that the state hereby withdraws its request for the subject 120 channel pairs.

Should you have any questions concerning this matter, please contact Mr. James Kirstein, Senior Telecommunications Engineer at (916) 657-6130 or by e-mail at james.kirstein@dgs.ca.gov.

Sincerely,

GARY R. Grootveld, Chief

Office of Public Safety Communications Services

JK:GRG:rs:Reg 5 700 MHz plan.doc

Attachments

cc: James Kirstein, P.E. Senior Telecommunications Engineer, Department of General Services, Telecommunications Division, FCC Unit

# Region 5 Southern California 700 MHz Region Planning Committee

Chair: David Buchanan
Vice Chair: Garrett Mayer
Secretary: Gary Poon

Date: January 16, 2008

Time: 1:00 p.m.

Location: 1855 Chicago Av., Riverside, CA 92507

Attendees: Ref. Sign-In Sheet

- 1. Chairman David Buchanan called the meeting to order at 1:20 p.m. to give time to attendees for computerized sign-in. He noted that he received three letters from Southern California Public Safety agencies. In the first letter, the County of Riverside addressed the potential deployment of 700MHz systems by February 2009. In the second letter, County of Riverside explained its new radio (PSEC) system and request for additional 42 narrowband voice channels and four (4) standard 25 KHz channels for data operations. In the third letters, the Interagency Communications Interoperability System (ICIS) is requesting twelve (12) voice channels and four (4) data channels for a gateway to its existing 800 MHz ICIS systems. All these request will be on hold until after the regional plan is modified.
- 2. State of California is in the process of give-up 120 General Use channels in the 700 MHz voice spectrum. This allotment will be available for new assignment when an official letter from the State of California is received on releasing the spectrum.
- 3. There were discussions made on San Diego County and Imperial County shared use of frequencies by Mr. Don Roots of County of San Diego.
- 4. Mr. Ken Mann of City of Los Angeles has shifted the channel assignment without changing the approved allotment to each agency to conform to the new FCC Band Plan. Copies were available to the meeting attendees. The attendees voted and unanimously approved to ratify the amended frequency shift. The Chairman asked for editorial rights to remove channel allotment to the State of California if he received the letter from the State of California prior to filing of plan changes. He also noted that this is not the final plan due to additional changes maybe necessary pending for final resolution of boarder frequency assignment between the United States America and Mexico government.
- 5. As part of the meeting agenda, the RPC elected a Vice-Chair to replace Mr. Garrett Mayer who has since retired from Public Safety Services. Three

candidates were nominate by the attendees – Mr. Donald Root (of San Diego County), Mr. Mark Revis (of Riverside County), and Mr. Ken Mann (of City of Los Angeles). With majority vote and final consensus from committee members, Mr. Donald Root was elected for Vice-Chair of the Southern California 700 MHz Regional Planning Committee.

- 6. Mr. David Buchanan intends to serve as the Chairman until February, 2009 to ensure that the regional plan are finalized and public safety agencies in Southern California are ready for 700 MHz spectrum use. At that time, a new Chair will be elected for replacement.
- 7. With inputs from the floor, the Southern California Region Committee has set deadline to finalize its regional plan by October, 2008 pending for final resolution of border issues between United States of America and Mexico.
- 8. Discussions were made on our existing frequency packing and assignment. The Southern California spectrum were pack more tightly resulted from experience from 800 MHz NPSPAC use in comparison to automated packing by CAPRAD program. Southern California region will continue to monitor and evaluate new tools available for spectrum reuse and packing. Specifically, the committee will evaluate the New York State's engineering tool made available through Syracuse Research Institute. The committee will also review any available standards such as TSB-88.
- 9. The Chair noted that with the committee's approval, he will provide concurrence to the adjacent Nevada and Arizona Sates Plans (these regions have not made any changes on their plans due boarder issues) with condition of review when data is available.
- 10. The Chair also conducted an informal evaluation of early deployment of 700 MHz systems. Agencies included City of Riverside, Orange County, San Diego County, ICIS and San Bernardino County continues to show interest.
- 11. A workgroup meeting is scheduled on March 19, 2008, 1:00 to 3:00p.m. in the same location is Riverside County. Without further new business from the floor, the meeting was adjourned at 2:40p.m.

# 700 MHz Regional Planning Committee – Region 5 Southern California

# **Notice of First Meeting**

The first meeting of the 700 MHz Regional Planning Committee – Region 5 (RPC) will be held as noted below:

Date Thursday September 2, 1999

Time 1:00 PM

Location Board of Supervisors Chambers

County Government Center 385 North Arrowhead Ave. San Bernardino, CA 92415-0110

This meeting is open to all interested Public-Safety Agencies. The Federal Communications Commission in Docket FCC 98-191 requires a Regional Plan be developed before the public-safety spectrum in the new 700 MHz band can be licensed.

#### Agenda:

- 1. Introduction and overview of the regional planning process
- 2. Election of a Regional Chairman
- 3. Adoption of Operating Procedures
- 4. Formation of working groups.

For more information contact:

David Buchanan, Convener County of San Bernardino 1743 Miro Way Rialto, CA 92376 909-356-2356 dbuchanan@isd.co.san-bernardino.ca.us

#### Directions:

From I-10 west or east exit Waterman Ave. (just east of interchange with I215) go north to 4th street. Then turn left and continue until 4th dead ends at the Government Center.

# Region 5 700MHz Public Safety Planning Committee **Committee Meeting**

# September 2, 1999

## **Minutes**

Meeting called to order at 13:00 hours by David Buchanan, Convenor

David Buchanan presented an overview of the 700 MHz band rules and the Regional Plan process. Glen Nash provided an overview of the National Coordination Committee process and on going work.

#### **Election of Chairperson**

Nominations were called for election of a chairperson. David Buchanan was nominated. Gary Gray made motion and second by Bryan Hawkins. No other nominations were received. The vote was unanimous for David Buchanan. David Buchanan continued to chair the meeting.

#### **Adoption of Operating Procedures**

After discussion, motion made by Chuck Luckey and second by Travis Williams to adopt the following: Operate using the latest Robert's rules of Order. The group will try to reach a consensus on all issues. If all parties cannot reach a consensus decision on an issue then a vote will be taken. Each jurisdiction has a vote and a 3/4 majority is required to pass.

#### Formation of working groups

After discussion, the group decided on three working groups, with others later if required.

- Drafting Group
   Spectrum Issues Group
- 3. Operations Issues Group

These groups will begin work after the first of the year.

#### Other Business

After discussion, the group decided to open a filing window for requests for channels. This window is to run until January 1, 2000.

Meeting Adjourned

# Notice of the Second Meeting Region 5 700MHz Public Safety Planning Committee

The Meeting will be held on June 21, 2000 starting at 10:00 AM in Long Beach, CA.

Address and Directions: Long Beach City Library 101 Pacific Ave. Long Beach, CA

From the southbound 710 FWY go to Broadway and then east on Broadway to the Civic Center. Parking is in the Public Parking Structure. The Library is southeast of the parking structure. See the included Maps.

#### Agenda

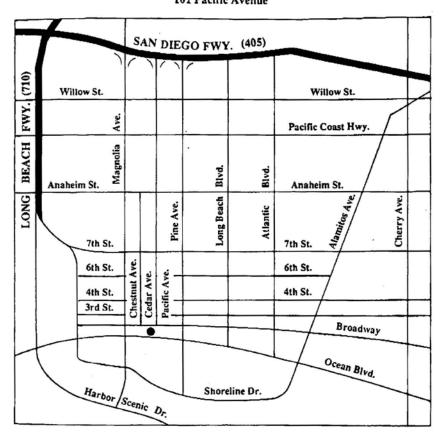
- 1. Approve minutes of 1<sup>st</sup> meeting.
- 2. Review NCC progress
- 3. Review requests for spectrum and ask for any new or missed requests.
- 4. Form workgroups to develop the regional plan.
- 5. New Business

All interested parties wishing to participate in the planning for use of new public safety spectrum in the 700 MHz band should plan to attend. For further information please contact:

David Buchanan, Chairperson Region 5 700MHz Public Safety Planning Committee 777 E. Rialto Ave. San Bernardino, CA 921415-0740

MAY-10-2000 1	5:56 562 5	7408	96% P	.03
MAY-10-2000 1	5:56 562 5	720 7408	96% P	.03
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# LONG BEACH PUBLIC LIBRARY 101 Pacific Avenue



# LONG BEACH PUBLIC LIBRARY 101 Pacific Avenue

Parking is available in the municipal parking structure located on the south side of Broadway at Cedar Avenue.

Downtown streets are one-way. Broadway runs east off the Long Beach Freeway (710); Third Street runs west onto the Long Beach Freeway.

MAY-10-2000 15:56

562 570 7408

96%

P.03

# **Region 5 700MHz Public Safety Planning Committee Committee Meeting**

June 21, 2000

#### **Minutes**

Meeting called to order at 10:00 hours by David Buchanan, Chairperson

### **Approve Minutes**

The minutes of the September 21, 1999 meeting were approved, motion by Chuck Luckey and Second by Joe Parrino.

## **Review NCC Progress**

David Buchanan presented a review of the decisions made to date by the NCC committee. Discussions and questions followed. Glen Nash who chairs the NCC Technical Subcommittee also contributed to the update.

#### **Review Requests for Spectrum**

Attendees were invited to confirm their requests were in the file maintained by the Chair to insure no requests were lost or not received. Discussion followed on the filing window. It was noted that for various reasons agency requests were received after the January 1, 2000 cutoff date. A motion was made and passed by Gary Gray and second by Mike Mockler to accept those filings and to extend the window to January 1, 2001. The Committee wants to insure all interested agencies have a chance to file.

#### Form Workgroups to develop the Plan

At the first meeting the group decided to create three working groups to develop the plan. They are with the chairs:

- 1. Drafting group Chair Travis Williams, County of Los Angeles
- 2. Spectrum issues group Chair Mehrdad Larijaniha, City of Los Angeles
- 3. Operations issues group Chair Bryan Hawkins, City of Long Beach

Signup sheets were passed out for individuals to be members of the groups. The chairs will begin work on their parts of the plan. Progress will be reviewed at the next Committee meeting.

#### **New Business**

The timing of future meetings was discussed and a decision was made to hold an informal meeting in the fall to update progress and decisions of the NCC and FCC. The next formal meeting of the committee will be held after the first of the year.

# Notice of the Third Meeting Of the Region 5 700 MHz Regional Planning Committee

This is an important meeting for all interested persons. The agenda includes voting on approval of the draft regional plan. If approved the plan will be submitted to the FCC for their approval.

## Agenda:

- 1. Nominations and voting for Vice-chairperson and Secretary of the committee.
- 2. Vote on approval of the draft plan.

## Meeting Location:

Orange County Communications 840 N. Eckhoff St. Suite 104 Orange, CA 92868-1021

Date – March 13, 2002 Time – 10:00 am To 12:00 pm

Copies of the plan are available on the internet at <a href="www.cpra.org">www.cpra.org</a> in the resources section. They are also available by contacting:

David Buchanan, Chairperson Region 5 700 MHz Regional Planning Committee County of San Bernardino Network Services 777 E. Rialto Ave. San Bernardino, CA 92415-0740

Phone 909-387-3337

# Region 5, 700 MHz Planning Committee Third Meeting Minutes

**Date: 13, March 2002** 

**Location: Orange County Communications** 

840 North Eckoff Street, Suite 104

Orange, CA 92868-1021

**Chairperson: David Buchanan** 

Chairperson, Dave Buchanan, opened meeting at approximately 10:00 am Pacific Standard Time. Attendees signed the Committee log-sheets.

## Minutes from last meeting (June 21, 2002)

The meeting minutes from the last meeting were approved as written.

# **Position of Vice-chairperson**

The first order of business was the election of the Vice-chairperson. A motion was made by Bill De Camp, State of California and was seconded by Joe Parrino, City of Montebello nominating Garrett Mayer, County of Los Angeles, to the position of Vice-chairperson. A vote taken of all participating members of the committee confirmed the election of Garrett Mayer as the Vice-chairman. Congratulations to Garrett.

# **Position of Secretary**

The second order of business was the election of the Committee's Secretary; A motion was made by Travis Williams, County of Los Angeles to elect Chuck Luckey, City of Long Beach, for the position of Secretary. Joe Parrino seconded the motion, City of Montebello and a vote of the participating members confirmed the election of Chuck Luckey to the position of Secretary.

# **Wide-band Working Group**

A Working Group session open to all, to address the wide-band 700 MHz data channel allocations/assignment was discussed and planned for Wednesday, June 19 2002. The Time will be at 10:00 AM PST. The location of the meeting will be at Orange County Communications Offices, 840 North Eckoff Street, Suite 104.

# **Narrow-band Frequency Allotment**

A review and discussion of the proposed narrow band, frequency allotmentplan followed.

A motion to accept the plan was made by Garrett Mayer and seconded by Gary Gray, County of Orange.

San Diego raised concerns regarding potential over the water radio frequency levels from the City of Long Beach.

Long Beach also expressed concerns about the extra cost of engineering that may be required for the protection of their system from the City of San Diego.

Further discussion pointed out that LA County, also co-channel with the City of San Diego, is as much a potential threat as City of Long Beach. LAMTA was discussed as a co-channel member. It was decided that the Cities of Long Beach and San Diego will work together to mitigate the potential. The Chair's remarks were that it is prudent for all members to take special measures to mitigate any potential interference during the systems planning and engineering phase.

Simi Valley requested to be moved from their assigned block and will be moved down one block.

Editorial corrections are needed on the low power channels assigned to "Base Fire" and "Mobile Law". A revised frequency list will be re-issued with the appropriate changes. The revised list will be posted on the CPRA website.

The Committee approved the frequency allotment plan at 11:10 AM, with changes above on motion by Gary Gray, second by Garrett Mayer. The Regional Plan was approved for submission to the FCC pending editorial discretion by the Chair on motion by Garrett Mayer and second by Gary Gray. There was unanimous support for the motion.

Next meeting of the Regional Committee will be announced

The Meeting was adjourned.

# Region 5 Southern California 700 MHz Planning Committee Notice of 4<sup>th</sup> Meeting

The region 5 Southern California 700 MHz Regional Planning Committee will hold a 4<sup>th</sup> meeting on April 16, 2003 at 10:00 am. The meeting will be located at:

Orange County Communications 840 N. Eckhoff St. Suite 104 Orange, CA 92668-1021

For any questions or concerns please contact:

David Buchanan, Chairman Region 5 700 MHz Regional Planning Committee County of San Bernardino, Network Services 777 E. Rialto Ave. San Bernardino, CA 92415-0740

Voice 909-387-3337 Fax 909-387-8859 Email dbuchanan@isd.sbcounty.gov

#### Meeting Agenda

- 1. Elect new Secretary (Note Chuck Luckey resigned due to moving out of the region)
- 2. Review FCC letter dated December 30, 2002
- 3. Request input from Indian Tribes
- 4. Approve inter-region agreements.
- 5. Public Comment

# Region 5 Southern California 700 MHz Planning Committee Meeting Minutes

(4<sup>th</sup> Formal Meeting)

Chair: David Buchanan Vice Chair: Garrett Mayer

Date: April 16, 2003 Time: 10:00 AM

Location: Orange County Communications

840 N. Echhoff St., Suite 104 Orange, CA 92668-1021

Attendee: See attached Sign-In Sheet

- 1. Mr. David Buchanan, Chairman, distributed the meeting agenda. The objective of the meeting is to 1.) Elect a new Secretary, 2.) Review FCC letter dated December 30, 2002, 3.) Request inputs from Indian Tribes, 4.) Approve interregion agreements, and finally 5.) Open for public comment.
- 2. To replace Secretary Chuck Luckey who resigned due to moving out of the region, the Chairman opened the floor for secretary nomination. Nominated candidates were Ms. Susan Braunsdorf of City of Glendale and Mr. Gary Poon of County of Los Angeles. Gary Poon was elected with majority votes.
- 3. To satisfy Indian outreach program as noted in FCC letter dated December 30, 2002, the Chairman noted that he has sent letters to all Indian Tribes with identifiable mailing addresses. Few responded.
- 4. Northern California Committee in reviewing the 700 MHz Plan has concern of 25 KHz voice channel assignment (which is an aggregate of two 12.5 KHz channels) that may lead to unused "orphan" frequencies in small geographical area implementation. Since no specifics are available, this issue is deferred for future plan amendment.
- 5. Glen Nash of State of California informed the group on State OES Emergency Plan relative to 700 MHz Regional Plan.
- 6. Mr. Gary Gray of Orange County distributed copy of the Inter-Regional Coordination Procedures. Discussions were made regarding 70 miles distance requirement on adjacent regions border coordination requirement versus NCC's service area plus three (3) miles requirement.

- 7. Mr. Garrett Mayer of County of Los Angeles introduced a motion to approve the amended Plan and the Inter-Regional Coordination Procedures. Mr. Mike Mockler of MTA seconded the motion. Members unanimously approved the coordination agreement with the added 70 miles distance requirement due to unique geographical terrains in the Western United States.
- 8. Future review and approval of adjacent regional Plans will be through the elected committee Chair, Vice Chair, Secretary and with joint advice from Mr. Gary Gray of Orange County (who is also the local CPRA Frequency Advisor.) However, all members will have an opportunity to review and comment on plan approvals via e-mail notification. Motion to finalize this procedure was introduced by Mr. Garrett Mayer and seconded by Mr. Mike Mockler. Members unanimously approved.
- 9. Mr. Glen Nash of State of California, who is in the NCC Technical Committee for 700 MHz Plan, updated the group on Standards for Interoperability Wideband Data Channel. Preliminary Standards called for a 50 KHz bandwidth channel with expandable upto 150 KHz. Scalable Adaptive Modulation (SAM) is the preferred modulation scheme. More information on the standards will be available in July 2003.
- 10. Chairman David Buchanan summarized the actions taken on the agenda items. He stated that all approved changes will be incorporated in the Region 5 Southern California 700 MHz Plan for final re-submission to the FCC.
- 11. Next Work Group (non-formal) meeting is scheduled August 27, 2003 with focus on wide band data. Location and specifics will be published in CPRA ComLink and web page at http://www.cpra.org.
- 12. With no further action or comment from members, the meeting was adjourned about 11:47AM.

# The Wave of the Future

DEVID BUCHANAN 1743 MIRO WAY 1743 MIRO WAY

# CHECK US OUT ON THE WEB!!

Phone: 323-906-3400 Fax: 323-906-3490 Email: GPurvis@Prodigy.net

Los Angeles Communications Center California Highway Patrol 4016 Rosewood Avenue Los Angeles, CA 90004

California Public-Safety Radio Association

CALIFORNIA PUBLIC SAFETY







## **PLEASE NOTE**

THE APCO
INTERNATIONAL WEB
ADDRESS HAS
CHANGED!
WWW.APCO911.ORG

#### Region 5 700MHz Public Safety Planning Committee Notice of Filing Window

The Region 5 700 MHz Public Safety Planning Committee is accepting requests for frequency assignments for voice, narrowband data and wideband data channels. This window is open until January 1, 2001. At this time, for voice channels, submit the total number desired without regard to technology or bandwidth. For wideband requests include the number and bandwidth (50kHz, 100 kHz, or 150kHz) desired. Some justification for the numbers requested needs to be included with the request. The committee may as the plan is developed require specific information to support any requests for spectrum. As an example of requirements, previous plans required commitments of funding and mobile loading information.

Submit all information to:

David Buchanan, Chairman
Region 5 700MHz Public Safety Planning Committee
777 E. Rialto Ave.
San Bernardino, CA 92415-0740
909-356-2356 dbuchanan@isd.co.san-bernardino.ca.us

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# 700 MHz Regional Planning Committee Region 5 Southern California

# Notice of First Meeting

The first meeting of the 700 MHz Regional Planning Committee – Region 5 (RPC) will be held as noted below:

DATE

Thursday September 2, 1999

**TIME** 

1:00 PM

LOCATION

Board of Supervisors Chambers

County Government Center 385 North Arrowhead Ave.

San Bernardino, CA 92415-0110

This meeting is open to all interested Public-Safety Agencies. The Federal Communications Commission in Docket FCC 98-191 requires a Regional Plan be developed before the public-safety spectrum in the new 700 MHz band can be licensed.

#### **AGENDA**

- 1. Introduction and overview of the regional planning process
- 2. Election of a Regional Chairman
- 3. Adoption of Operating Procedures
- 4. Formation of working groups.

For more information contact:

## David Buchanan, Convener

County of San Bernardino 1743 Miro Way Rialto, CA 92376 909-356-2356

dbuchanan@isd.co.san-bernardino.ca.us

#### **DIRECTIONS**

From I-10 west or east, exit Waterman Ave. (just east of interchange with I-215). Go north to 4th Street. Then turn left and continue until 4th dead ends at the Government Center.

#### 1999 CommLink Article **Cut-Off Dates**

August 9 for the August issue August 30 for the September issue October 4 for the October issue November 1 for the Novemberissue November 22 for the December issue

Remember to send articles to Danitalc@aol.com

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City Of Long Beach

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Commercial Chair

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The Jack Daniel Co.

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Director

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Regulatory Affairs Committee

#### TRAVIS WILLIAMS

Los Angeles County - ISD

Phone (562) 940-3362 • Fax (562) 803-1574

GP-\_\_\_\_\_ - LOMPOC - NEW DATA SYSTEM - 856.7625 MHz FB2/FB 20K0F1D emission 100 watts 5.0 dBd gain omni ant. 21.9 m high @ 59.0 m AMSL CTCSS none ERP 199.5 watts HAAT -87.9 m.

Also 811.7625 MHz MO (50), same as above, except 45 watts ??? dB gain ant. ERP 85 watts area of operation 30.0 km radius.

# Announcements

# Mark your calendar!

Everyone is invited to the February 20th CPRA Meeting which will be held at Talley Communications' new Corporate Headquarters in Santa Fe Springs.

Talley built a training room into this new facility that will be perfect for our meeting. Please RSVP to Bryan Hawkins at <a href="mailto:brhawki@ci.long-beach.ca.us">brhawki@ci.long-beach.ca.us</a> so our lunch count is accurate. Directions to Talley's new facility can be found at <a href="www.talleycom">www.talleycom</a>. in the "more info" section.

Talley is celebrating their 20th year in business this year! They have supported CPRA and APCO events for two decades. They continue to grow and better provide for their markets each year. The latest is Talley's new Corporate Headquarters in Santa Fe Springs. They doubled the size of their previous building with the 80,000 square foot facility they purchased and customized last year. A tour of their facility will be held at the end of the meeting.

This month's speaker sponsored by Talley is Sergeant Dean Zanone with the City of Seal Beach Police Department. His presentation should not be missed.

#### Region 5 Southern California 700 MHz Planning Committee Notice of 4<sup>th</sup> Meeting

The region 5 Southern California 700 MHz Regional Planning Committee will hold a 4<sup>th</sup> meeting on April 16, 2003 at 10:00 am. The meeting will be located at:

> Orange County Communications 840 N. Eckhoff St. Suite 104 Orange, CA 92668-1021

For any questions or concerns please contact:

David Buchanan, Chairman Region 5 700 MHz Regional Planning Committee County of San Bernardino, Network Services 777 E. Rialto Ave. San Bernardino, CA 92415-0740

Voice 909-387-3337 Fax 909-387-8859 Email dbuchanan@isd.sbcounty.gov

#### Meeting Agenda

- ♦ Elect new Secretary (Note Chuck Luckey resigned due to moving out of the region)
- ◆ Review FCC letter dated December 30, 2002
- Request input from Indian Tribes
- ♦ Approve inter-region agreements.
- ♦ Public Comment

# **HQ** Report

No HQ report this month. A full report to follow in next month's CommLink after the "Midyear Exec Council Meeting" in Las Vegas.

# Retirees

Lt. Larry Schwartz of the Los Angeles County Sheriff Department is retiring on March 3, 2003. The retirement luncheon will be at SCC (1277 N. Eastern Ave, Los Angeles) at 1130 hours. The cost is \$15.00 per person that includes food and gift.

Those interested in attending should contact Sgt. Alfred Ortega, no later than February 17, 2003, at the Sheriff's Communications Center, (323) 267-2599 or email adortega@lasd.org

Branch Manager, Farid Khalil of the Los Angeles County Internal Services Department is retiring on March 13, 2003. The retirement luncheon will be at Quiet Cannon-Laguna Room (901 N. Via San Clemente, Montebello) at 1130 hours. The cost is \$25.00 per person that includes food and gift.

Those interested in attending should contact Erlinda Chaira, no later than March 3, 2003, at the ISD Telecommuni-

cations Maintenance Center, (323) 267-2753 or email lchaira@isd.co.la.ca.us

#### 2003 Meeting Dates

January 16th Ontario

February 20th Santa Fe Springs (Talley Communications)

March 20th Available

April 17th Buena Park Annual Dispatcher Banquet

May 15th Available

June 11th - 13th Annual North-South Meeting

July 17th Available

August 21st Available

September 18th Available (Annual No Ties)

October 16th Montebello (Annual Tabletop Meeting) November 20th Available (Administrator's Day)

December 12th Available (Officer Installation Banquet)



# Appendix D

**Tribal Information** 

January 27, 2003

RE: Public Safety Radio Spectrum

Dear Tribal Leader,

The Federal Communications Commission (FCC) in Docket 96-86 allocated 24 MHz of spectrum in the 700 MHz band for public Safety use. As part of the rules for use the FCC is requiring a Regional Plan to be developed. Region 5 is the Southern California Region and covers the Counties of San Louis Obispo, Santa Barbara, Kern, Ventura, San Bernardino, Riverside, Los Angeles, Orange, San Diego and Imperial. If you have any unmet spectrum needs or any interest in planning for this spectrum use, you should send a representative to the next Regional Plan Meeting or contact me.

The next meeting will be held on April 16, 2003 at 10:00 am. The meeting will be located at:

Orange County Communications 840 N. Eckhoff St. Suite 104 Orange, CA 92668-1021

My contact information is:

David Buchanan, Chairman Region 5 700 MHz Regional Planning Committee County of San Bernardino, Network Services 777 E. Rialto Ave. San Bernardino, CA 92415-0740

Sincerely, David Buchanan Chairperson, Region 5

Agua Caliente Band of Cahuilla Indians 600 East Tahquitz Canyon Way Palm Springs, Ca.

Agustine Band of Mission Indians (Cahuilla) P.O. Box 846 Coachella, Ca. 92236

Barona Rancheria Kumeyaay (Diegueno) 1095 Brona Road Lakeside, Ca. 92040

Big Bend Rancheria Pit River (Achomawi) Post Office Box 1570 Burney, Ca. 96013

Big Pine Band of Owens Valley Paiute-Shoshone Post Office Box 700 Big Pine, Ca. 93513

Big Sandy Rancheria Western Mono (Monache) PO Box 337 Auberry, Ca. 93602

Blue Lake Rancheria Wiyok, Yurok, Hupa Post Office Box 428 Blue Lake Ca. 95525

Cabazon Band of Mission Indians Cahuilla 84-245 Indio Springs Pkwy Indio, Ca. 92203

Cachil Dehe Band of Wintun Indians 3730 Hwy. 45 Colusa, Ca. 95932

Cahuilla Band of Mission Indians Post Office Box 391760 Anza, Ca. 92539-1760

California Indian Council/Lulapin 2841 Los Feliz Thousand Oaks, Ca. 91362

Campo Band olf Kumeyaay Indians Kumeyaay (Diegueno) 36190 Church Road, Suite 1 Campo, Ca. 91906

Chemehuevi Tribal Council PO Box 1976 Havasu Lake, Ca. 92363

Capitan Grande Reservation Kumeyaay (Diegueno) Alpine, Ca. 92001 (no inhabitants)

Chukchansi Yokotch Tribe PO Box 329 Raymond, Ca. 93653

Chumash Council of Bakerfield 1317 S. Chester Ave. Bakersfield, Ca. 93304

Cloverdale Rancheria of Pomo Indians 555 S. Cloverdale Blvd., #1 Cloverdale, Ca. 95425

Coastal Band of Chumash 4093 Draco Dr. Lompoc, Ca. 93436

Cold Springs Rancheria Post Office Box 209 Tollhouse, Ca. 93667

Costanoan Rumsen Carmel Tribe 3025 E. Brookside Ct. Ontario, Ca. 91761 Cecilia L. Arche

Costanoan Rumsen Carmel Tribe 3929 Riverside Dr. Chino, Ca. 91710

Costanoan Band of Carmel Mission Indians P.O. Box 1657 Monrovia, Ca. 91016

Costanoan, Ohlone, Mustsun-Rumsen 110 Dick Phelps Rd. Watsonville, Ca. 95065 Patrick Orozco

Coyote Valley Band of Pomo Indians Post Office Box 39 Redwood Valley, Ca. 95470-0039

Cuyapaipe Band of Mission Indians Kumeyaay (Diegueno) 4054 Willows Road P.O. Box 2250 Alpine, Ca. 91903-2250

Dunlap Band of Mono Indians P.O. Box 344 Dunlap, Ca 93621 Florence Dick

Elem Indian Colony of Pomo Indians (Sulphur Bank Rancheria) P.O. Box 1968 Clearlake Oaks, Ca. 95423

Elk Valley Rancheria Tolowa Post Office Box 1042 375 Wyentae Street Crescent City, Ca. 95531

Estom Yukema Maidu Oroville, Ca 99481

Esselen Tribe of Monterey County 1024 Chippendale Way Roseville, Ca. 95661

Fort Bidwell Indian Community of Paiute Indians Post Office Box 129 Fort Bidwell, Ca. 96112

Fort Mohave Tribe Mohave 500 Merriman Avenue Needles, Ca. 92363-(actual location is in AZ)

Gabrielino/Tongva Tribal Council 727 S. Calvados Covina, Ca. 91723

Gabrielino/Tongva Tribal Council P.O. Box 693 San Gabriel, Ca. 91776

Habermatolel Upper Lake Pomo Post Office Box 516 Upper Lake, Ca. 95485

Hopland Band of Pomo Indians Post Office Box 610 Hopland, Ca. 95449

Inaja & Cosmit Band of Mission Indians Ramona Band of Cahuilla Indians 1040 East Valley Parkway, Unit A Escondido, Ca. 92025

Jamul Band of Mission Indians Kumeyaay (Diegueno) Post Office Box 612 Jamul, Ca 91935

Juaneno Band of Mission Indians (84-A) 31411-A La Matanza St. San Juan Capistrano, Ca 92675-2674

Juaneno Band of Mission Indiands (84-B) P.O. Box 25628 Santa Ana, Ca. 92799

Kern Valley Indian Community P.O. Box 168 Kernville, Ca. 93238

La Jolla Band of Luiseno Indians 22000 Highway 76 Pauma Valley, Ca 92061

La Posta Band of Mission Indians Kumeyaay (Diegueno) P.O. Box 1048 Boulevard, Ca. 92905

Lone Pine Community of Paiute-Shoshone Indians P.O. Box 757 Lone Pine, Ca. 93545

Los Coyotes (Rancheria) Band of Mission Indians Cahuilla & Cupeno Post Office Box 249 Warner Springs, Ca. 92086

Manzanita Band of Mission Indian Kumeyaay (Diegueno) Post Office Box 1302 Boulevard, Ca. 91905

Mesa Grande Band of Mission Indians Kumeyaay (Diegueno) P.O. Box 270 Santa Ysabel, Ca 92070

Middletown Rancheria of Pomo Indians Post Office Box 1035 22223 Hwy 29 @ Rancheria Rd Middletown, Ca 95461

Mishkananka (Chumash) 2125 Channel Dr. Ventura, Ca. 93001

Miwok Tribe P.O. Box 1433 Guernville, Ca. 95546

Mono Lake Indian Community P.O. Box 237 Lee Vining, Ca 93541

Mooretown Rancheria of Maidu Indians P.O. Box 1842 1 Alverda Drive Oroville, Ca. 95966

Morongo Band of Mission Indians Cahuilla, Serrano & Cupeno 11581 Potrero Road Banning, Ca 92220-2965

Native Cultures Institute of Baja California P.O. Box 122229 Chula Vista, Ca. 91912

North Fork (Rancheria) Band of Mono Indians P.O. Box 929 North Fork, Ca. 93643-0929

Oak Brook Chumash 3920 Lang Ranch Pkwy Thousand Oaks, Ca 91362

Ohlone/Costanoan Esselen Nation P.O. Box 1301 Monterey, Ca 92932

Pala Band of Mission Indians Luiseno – Cupeno Post Office Box 50 Pala, Ca. 92059

Pauma/Yuima Band of Mission Indians Luiseno Post Office Box 369 Pauma Valley, Ca 92061

Pechanga Band of Mission Indians Luiseno Post Office Box 1477 Temecula, Ca 92392

Picayune Rancheria of Chuckchansi Indians 46575 Road 417 Coarsegold, Ca 93614

Redwood Valley Rancheria Little River Band of Pomo Indians 3250 Road I Redwood Valley, Ca. 95470-9526

Rincon San Luiseno Band of Mission Indians Post Office Box 68 Valley Center, Ca 92082

Salinan Tribe of Monterey County P.O. Box 2166 Concord, Ca 92930 Dona Hasro

San Luis Rey Band 2064 Old Pomuno Rd. Poway, Ca. 92064 Russell Romo

San Manuel Band of Mission Indians Serrano P.O. Box 266 Patton, Ca. 92369

San Pasqual Band of Diegueno Indians Kumeyaay (Diegueno) Post Office Box 365 Valley Center, Ca. 92082

Santa Rosa Band of Mission Indians Cahuilla PO Box 390611 Anza, Ca. 92539

Santa Ynez Band of Chumash Indians P.O. Box 517 Santa Ynez, Ca. 93460

Santa Ysabel Band of Mission Indians Kumeyaay (Diegueno) Post Office Box 130 Santa Ysabel, Ca. 92070

Soboba Band of Mission Indians Luiseno Post Office Box 487 San Jacinto, Ca. 92583

Southern California Indian Center 12755 Brookhurst St. P.O. Box 2550 Garden Grove, Ca. 92642-2550

Table Mountain Rancheria Mono 23736 Sky Harbor Rd. Post Office Box 410 Friant, Ca. 93626

Tongva Nation/Traditional 3462 Avocado Riverside, Ca. 92507

Torres-Martinez Band of Desert Cahuilla Indiands 66-725 Martinez Road P.O. Box 1160 Thermal, Ca. 92274

Traditional Choinumni Tribe 2787 N. Piedra Rd. Sanger, Ca. 93657

Tule River Yokuts Post Office Box 589 Porterville, Ca. 93258

United Indian Nations, Inc. 1320 Webster Street Oakland, Ca. 94612

United Maidu Nation P.O. Box 204 Susanville, Ca 96130

Utu Utu Gwaitu Paiute Tribe of the Benton Paiute Reservation Star Route 4, Box 56-A Benton, Ca. 93512

Viejas Band of Mission Indians Kumeyaay (Diegueno) Post Office Box 908 Alpine, Ca. 91903

Washoe Route 1, Box 102 Markleeville, Ca. 96120

Wukchumni Council 1424 W. Sunnyview Ave Visalia, Ca. 93291

# **Appendix E**

**CPRA** Member List

# CPRA Membership List Sorted by Agency Name

Title

FirstName LastName

Reza

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				<b>o</b> ,
,	Jim	Higginbotham	Communications Supervisor	Alhambra City Fire Dept
I	Ronald	Dalessandro	Technician	Alhambra City Fire Dept
-	Tom	Pinkston	Technician	Alhambra City Fire Dept
ı	Michael	Marusich	Manager/ Sr. Consultant	Align360, LCC
(	Gary	Pulliam	Supervisor	American Medical Response
I	Brian	Warshaw	President	American Mobile Data Sats
I	Edward	Chen	Ceo	Amrel Systems Inc
,	Shelley	Mc Kerren	Communications Manager	Anaheim Police Dept
	Dan	Sheahon	Owner	Apogee
,	Steven	Grove	Systems Manager	Applied Technology Grp
I	Dennis	Hoy		Arcadia Police Dept
,	James	Coote	Communications Specialist	Arcadia Police Dept
I	Rosemarie	Espejo	Dispatcher II	Arcadia Police Dept
١	Villiam	Keene	Account Manager	ARCOM Communications
I	Ken	Asano		Asano & Associates, Inc.
I	M	Perry		Bakersfield Police Dept
(	3	Jones		Bakersfield Police Dept
,	Scott	Bassett		Bassett Sales Corp
I	Michael	Smollen	Deputy Chief	Beverly Hills Fire Dept
I	Bruce	Malt	Active Sr. Engineer	Bruce Elliott Malt Assoc
,	James	Banks	Police Officer	Buena Park Police Dept
	-rank	Donoghue	E-911 Service executive	Business Solutions Group-Pacific Bell/ SBC
	Melissa	Miranda	Customer Support Manager	Business Solutions Group-Pacific Bell/ SBC
	Paul	Larona		Ca Office / Emergency Services
	Mel	Samples	Vice-President	Cadstar, Inc
	David	Williams, Sr	Police Officer/Communications Systems	Cal State U Police Dept-Los Angeles
	Yoshi	Hoshida - Mc Nealey	Communications Supervisor - 1	California Highway Patrol
(	Gina	Thomson	Comms Supervisor I	California Highway Patrol

Senior Telecommunications Engineer

Agency Name

Caltrans

## CPRA Membership List Sorted by Agency Name

Title

FirstName LastName

Edward	Sheridan	Communications Supervisor	Cambridge Emergency Communications
Robin	Hargett	Communications Operator II	Carlsbad Police Dept
Sandra	Hatfield	Supervisor	Cathedral City Police
Ronald	Zerr	Communications Sergeant	Chino Police Dept
Emory	Cole	Manager	Chino Unified School Dist
lan	Telfer	Vice President	Cinergy Innovations Inc
Brad	Underwood	Public Works Operations Manager	City of Bakersfield
Deborah	Keyworth	Supervisor	City of Brea
Jack	Wildermuth	ELE Test Coordinator	City of Burbank
James	Floyd	Senior Communications Technican	City of Burbank
Mark	Mackenzie	Test Tech Supervisor	City of Burbank
Dennis	Gibbons	Test Tech Supervisor	City of Burbank
Paul	Strauss	EOC Coordinator	City of Camarillo
David	Marsden	Technician	City of Chula Vista
Reginald	Manuel	Supervisor	City of Corona Fire Communications
Robert	Laag	Technician	City of Corona Fire Communications
Mont	۸ مام،	Cummont Compless Cumompless	City of Coronado

Agency Name

City of Coronado Support Services Supervisor Mary Adams City of Costa Mesa Gerald Verwolf Manager Christine Officer City of Costa Mesa Masuzumi City of Costa Mesa Olivia Ramirez **Communications Specialist** Technician City of Culver City Darryl Washburn

CharlesBeardFire ChiefCity of El Centro Fire DeptMikeEmbertonCity of Escondido Public Works Dept

Steven Hronek Administrator City of Glendale

MartinMeierAdministratorCity of Glendale Police DepartmentChristineGoebelSupervisorCity of Glendale Police Department

JimMooreCity of Huntington BeachWilliamCrockettAdmin AnalystCity of Imperial Administration

Philip Iriarte Assistant City Manager City of Industry

# CPRA Membership List Sorted by Agency Name

FirstName	LastName	Title	Agency Name
David	Perez	Director	City of Industry Communications
Donald	Miller	Engineer/ Technician	City of Long Beach
Robert	Schroeder	Corporal	City of Long Beach
Bryan	Hawkins	Superintendent	City of Long Beach Electronics
Tim	Hallinan	Supervisor	City of Long Beach Electronics
Keith	Johnston		City of Long Beach Electronics
John	Black	Shop Supervisor	City of Long Beach Electronics
Liz	Battle	Communications Training Officer	City of Long Beach Fire Department
D	Maus		City of Long Beach Police Dept
Michael	Mawn	Supervisor	City of Long Beach Police Dept
Jeff	Craig	Police Commander	City of Long Beach Police Dept
Kenneth	Mann		City of Los Angeles
Tun	Aung		City of Los Angeles
Robert	Arkow		City of Los Angeles
Ken	Chan		City of Los Angeles
James	Gilliam	Engineer	City of Los Angeles
Rito	Sisnero	Supervisor	City of Los Angeles
Edward	Murray	Supervisor	City of Los Angeles
Basharat	Syed	Sr Communications Electrician Superviso	r City of Los Angeles
Thinh	Dinh	Communications Engineer	City of Los Angeles
Rodolfo	Isaad	Communications Technician	City of Los Angeles
Robert	Hanson	Communications Electrician Supervisor	City of Los Angeles
Joseph	Parrino	Coordinator	City of Montebello
David	Ebarra	Communications Administ	City of Moreno Valley
Barbara	Barry	Communications Manager	City of Orange Police Dept
James	Runge	Director of Information Technology	City Of Palm Springs Police Dept
Dora	Melanson	Communications Mgr	City of Palm Springs Police Dept
Bill	Williams	Communications Supervisor	City of Pasadena
	147 4 1 1		

**Communications Engineer** 

Frank

Westphal

City of Pomona Police Department

Title

FirstName LastName

Jeffrey	Loveland	Captain	City of Riverside Fire Department
John	Wright	Supervisor	City of Riverside Police Department
Kathy	Warr	Communications Supervisor	City of Riverside Police Department
Susan	Levine	Supervisor	City of San Diego
Satchel	Tucker	Senior Supervisor	City of San Diego
Jake	Thompson	Comer Capervices	City of San Diego
Ken	Norton	Associate Communications Engineer	City of San Diego
Kim	Andersen	7.0000.a.0 00a0a00 =g00.	City of San Diego
Michael	Grimes		City of Santa Barbara
Lynn	Freeman		City of Simi Valley
Barbara	Mathews	Management Analyst	City Of Simi Valley
Gregory	Reigert	Coordinator	City of Simi Valley Police Department
Joe	Luntao	Sr. Programmer Analyst	City of Stockton- Mis Dept.
Ernest	Gallo	Communications Manager	City of Torrance
Jerry	Edwards	Ç	City of Torrance
Michael	Urban		City of West Covina
Thomas	Loveday	Technician	City of West Covina
Mark	Howell	Director/ Emergency Services, 471st Res	sc Civil Air Patrol/ USAF Auxiliary
Paul	Poor		Comm Enterprises Inc
Richard	Young	Owner	Communications Center
Jack	Hoffman	Corporate Secretary	Communications Marketing Co
Hans	Gallert	Public Safety Specialist	Computer Deductions, Inc
Kody	Kerwin	Telecommunications Specialist	Contra Costa County
Steve	Kendrick	Engineer	County of Kern
Frank	Domingo	Communications Tech Iv	County of Kern
Lorenz	Dauner	Communications Technician	County of Kern
Kenneth	Alvis	Manager	County of Kern
Walter	Moulton	Manager	County of Kern
Steve	Del Tour	Commander	County of Kern

Agency Name

FirstName LastName Title Agency Name

Richard	Granado	Division Manager, Radio Systems Division	on County of Los Angeles
Bernard	Flood	Division Manager, Radio Systems Division	County of Los Angeles
Ronald	Smith	Coordinator	County of Orange
Gary D	Gray	Chief Engineer	County of Orange Communications
Richard	Hampson	Sr Telecomm Engineer	County of Orange Communications
Robert	Stoffel	Coordinator	County of Orange Communications
Joyce	Saldin	Supervisor	County of Orange Communications
Samuel	Maynard	Supervisor	County of Orange Communications
Marten	Miller	Supervisor	County of Orange Communications
Joseph	Robben	Manager	County of Orange Communications
John	Naughton	Engineer III	County of Orange Communications
James	Donovan	Engineer III	County of Orange Communications
Nicolas	Condaras	Engineer III	County of Orange Communications
Richard	Paddock	Telecommunicator	County of Orange Communications
Holt	Leonard	Specailist	County of Orange Communications
Patrick	Brunner	Telecommunicator	County of Orange Communications
Timothy	Simon	Telecommunicator	County of Orange Sheriff Coroner Dept
John	Sarkissian	RF Spectrum Manager	County of Riverside Communications Division
Jim	Boatwright	Division Manager	County of Riverside Communications Division
John	Walker	Wireless Branch Manager	County of Riverside Communications Division
Mel	Swanberg	Microwave Manager	County of Riverside Communications Division
Doug	Roberts	Wireless Operations Manger	County of Riverside Communications Division
Dave G	Buchanan	Network Services Supervisor	County of San Bernardino
Scott	Belfield	Analyst II	County of San Diego Health & Human Services
Leland	Armitage	Senior Technician	County of San Luis Obispo
Vern	Halterman	Technician	County of San Luis Obispo
Walter	Rheingans	Manager	County of San Luis Obispo
Stephen	Powell	Technician	County of San Luis Obispo
Dennis	Kirby	Manager	County of Santa Barbara G/S Communications

FirstName LastName	Title	Agency Name
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Douglas	Haddon	Technician	County of Santa Barbara G/S Communications
Danita	Crombach	Communications Manager	County of Ventura
Robert	Frost	Network Specialist III	County of Ventura
Gary	Stephens, Isd	Networks Specialist	County of Ventura
Tom	Guerrero	Supervisor	County of Ventura
Frank	Collins	Network Installer	County of Ventura
Jared	Wilkinson	Telecom Network Specialist I	County of Ventura
Jose	Cimafranca	Telecomm Network Specialist II	County of Ventura
Kim	Raney		Covina Police Department
Sheryl	Ward	Dispatch Supervisor	Covina Police Department
Gregory	Pascal	Supervisor	CSU Long Beach
Daniel B	Murphy	Western Regional Sales Exec.	Cycomm Mobile Solutions
William	Daley	President	Daley & Associates Inc
James	Potter	Director Public Safety Product Marketing	Datron World Communications Inc
Raj	Nagaras	Director of Engineering	Deccan International
Leandro	Martinez	Sergeant	Dept of Youth Authority
Preston	Thomson	Engineer/technician	DGS-Telecommunications
Glen	Nash	Sr Engineer	DGS-Telecommunications
Andy	Dysart	Sales & Marketing	Digital Wireless
Jerry	Campbell	, and the second	Diversified Comm Engineer
Jim	Acosta		Downey Fire Dept
Charles	Baptista	Lieutenant	Downey Police Dept
Heidi	Calhoun	Supervisor	Downey Police Dept
Keith	Biarnesen	Police Officer	Downey Police Dept
Lynn	Chen	Manager	Earl Security Inc
Fred	Morrison	Communications Commander	El Cason Police Dept
Maria	Birdsall	Support Services Manager	El Centro Police Dept
Patricia	Klems	Supervisor	El Monte Police Dept
Max	Phipps	Lieutenant	El Segundo Police Dept
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FirstName	LastName	Title	Agency Name
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Larry	Feige	President	Electro-Comm West Inc
Don	Jayamanne	Engineer	ENG:
Neil	Hobbs	Deputy Fire Chief	Escondido Fire Department
Garry	Wells		Escondido Police Dept
Brian	Way	Vice President	ESE
Thomas	Wilkes	President	Executive Communications Systems
Richard	Matheny	Vp Of Engineering	First-In/Westnet
Ernie	Roiz	Engineering Project Mgr	Fluor Global Services
Sam	Spiegel	Chief of Police	Folsom Police Dept
Judi	Mc Alphin	Support Services Coordinator	Foothill College Police
Chris	Herrington	Owner	Full Spectrum Communications
Helen	Segletes	Communication Manager	Fullerton Police Department
Julie	Dutton	Communications Manager	Garden Grove Police Dept
Brian	Hudson	Associate Director	Gartner Consulting
John	Arnstein	Vice President	Gartner Consulting
John	Green	Assoc. Director	Gartner Group
Richard	Miller	Vice President	GBH Telcom Inc
Mehrdad	Larijaniha		General Services Communications Div
Yiu	Cheung	Supervisor	General Services Communications Div
Don	Wise	Supervisor	Glendale Fire Department
Leonard	Pihlak		Glendora Police Dept
Werner	Jaeckel		Glendora Police Dept
Charles	Laudan		Goserco
Chris	Sundlee	Emergency Services Coordinator	Governor's Office of Emerg. Services
Stephen	Verrando	Area Sales Manager	Harrris Farinon Corp
Jeffrey	Fehlberg	Director	Heartland Communications Faciltiy Authority
Chuck	Alexander	Supervisor	Heartland Communications Faciltiy Authority
Kimberly	Ellis	Operations Manager	Heartland Fire Communications
Jerold	Brown	Lead Pump Operator	Hi-Desert Water District

FirstName	LastName	Title	Agency Name
Henry	Unger		Hitech Systems Inc
Christophe		Project Manager	Hitech Systems Inc
Keith	Crawford	Product Manager	Hitech Systems Inc
Holly	Babb	Marketing Manager	Hitech Systems Inc
Bill	Holbrow	President	Holbrow Assoc
Raymond	Palacios	Director	Housing Authority of the City of Los Angeles
Dawn	Shirrell	Major Account Manager	Huttom Communications
Bruce	Wallace	Director of Sales-Southwest Region	Hutton Communications
Arlene	Meadows	Area Manager	IFR Systems
Kevin	Dorst	Product Manager	Image Ware Systems
Steve	Dail	Deputy Sheriff	Imperial Co Sheriff's Dep
Garrett	Mayer	Chief	Information Technology Telecomm
Wilfred	Little	Senior Vice President	Informer Computer Systems
John	Durkos	Dispatch Supervisor	Inglewood Police Dept
Gregg	Rowland	SVP, Sales & Marketing	IP MobileNet, Inc
Ron	Lyons	Western Regional Sales Manager	IP MobileNet, Inc
Susan	Thayer	Dispatcher	Irvine Police Dept
Richard	George		ISD
Tom	Wineland		Kenwood Communications
Joe	Watts	Product Manager	Kenwood Communications
Jerry	Bradford		Kenwood Communications
Hisakazu	Harada		Kenwood Communications
Norman	Yoshihara		Kenwood Communications
Shunichi	Numariji		Kenwood Communications
John	Alves		Kenwood Communications
Tim	Mc Caslin		Kenwood Communications
Ricardo	Lujan		Kenwood Communications
Joel	Berger	Staff Engineer	Kenwood Communications
Ed	Kerr		Kenwood Communications

FirstName	LastName	Title	Agency Name
Joe Richard Gary Barry Hiroyuki Kazuhiro April John Rigo Michael	Glassett Jones Cochran Morris Yoneda Aigami Young Vasquez Hall Foley	Bids & Proposals Manager	Kenwood Communications
Earl Cheryl John Mark	Pardue Daly Anderson Jasin		Kenwood Communications Kenwood Communications Kenwood Communications Kenwood Communications
Charles Howard Jack James Diane Steven John Alfred Gerald James Richard Michael Robert Kei	Conner Ayares Haas Davis Raber Fitzsimmons McKown Ortega Cooper Thornton Jr. Santivong Mockler	Emergency Services Manager National Sales Manager Deputy Sergeant Sergeant Deputy Sergeant Lieutenant Lieutenant Senior Communications Technician Telecommunications Engineer Engineer Associate-Telecom	Kern County Office of Emergency Servicses Kustom Fit Hi Tech Seating Products LA Co Sheriff Dept LA County Metro Trans Authority LA County Metro Trans Authority
Robert Robert Robert	Nevarez Fischer	Engineer Associate-Telecom  Engineer	LA County Metro Trans Authority  LA County Metropolitan

FirstName LastName	Title	Agency Name
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James	Coyne		LA County Sheriff Dept
Farid	Khalil		LA Facilities Management
Joan	Klopfenstein		La Habra Heights City Volunteer Fire Dept
Isabel	Mario-dean	Communications Supervisor	La Habra Police Dept
John	Landstrom	Admin Supervisor	Long Beach Fire Dept
Gwen	Saxlund	Supervisor	Long Beach Fire Dept
Sheila	Cowger	Shift Supervisor	Long Beach Fire Dept
Jo Ann	Kerr	Shift Supervisor	Long Beach Fire Dept
Jill	Shabica	Shift Supervisor	Long Beach Fire Dept
Casey	Chel	Manager-disaster Mgmt Div	Long Beach Fire Dept
Chuck	Lucas	Battalion Chief	Long Beach Fire Dept
Brad	Wilson	Battalion Chief	Long Beach Police Dept
Ronald	Boyd		Los Angeles Airport Police
Scott	England	Technician	Los Angeles Co, ISD
Gary	Poon		Los Angeles County
Travis	Williams	Analyst	Los Angeles County
Denis	Marin	Program Manager	Los Angeles County
Lawrence	Schwartz	Liaison Lieutenant	Los Angeles County
Cesar	Llanes	Senior Engineer	Los Angeles County
Ron	Wong	Engineer Manager	Los Angeles County
Laura	Mazariego	Systems Engineer	Los Angeles County
Ted	Pao	Systems Engineer	Los Angeles County
Mohamed	Sedky	Systems Engineer	Los Angeles County
John	Love	Electronic Technician	Los Angeles County
Luis	Castillo	Telecommunications Systems Engineer	Los Angeles County
Randy	O' Laughlin	Telecommunications System Engineer Su	Los Angeles County Dept of Public Works- IT
Jim	Longthorne	Electronic Comm Tech	Los Angeles County Dept of Public Works- IT
Larry	Gabriel	Electronic Comms Tech	Los Angeles County Dept of Public Works- IT
John	Tellez	Police Officer	Los Angeles County District Attorney

Title

FirstName LastName

1 1130140	and Lastivaine	Tido	Agency Name
Mark	Schroeder	Systems Manger	Los Angeles County MTA
Oscar	Quiroga	Assistant Director	Los Angeles County MTS
Jesse	Loera	Engineer	Los Angeles County Sheriff Dept
Brian	Humphrey	Public Information Officer	Los Angeles Fire Dept
Jeffrey	Jantz	Senior Analyst II	Los Angeles Police Dept
Sanfor	d Goldstyn	Police Services Representative	Los Angeles Police Dept
Terin	Fitzgerald	Police Service Rep	Los Angeles Police Dept
Gary	Franks	Radio Communications Supervisor	Los Angeles Unified School District-ITD Radio
Elizabe	eth Robertson	President/Chief Engineer	Lyncole XIT Grounding
John	Howard	Vice President	Lyncole XIT Grounding
William	,		Lyncole XIT Grounding
Henry	Williams	Business Agent	M/A-COM Wireless Systems
Bart	Blakesley	Sr Principal Consultant	Macro Corporation
Michae	- I'	Sales manager	Maxcess Technologies Inc
Jean	Ferrell	Manager	Metro Cities Fire Authority
Robert		Training Officer	Metro Cities Fire Authority
Gary	Gionet	Operations Supervisor	Metro Cities Fire Authority
John	Poat	Operations Manager	Metro Mobile Comms
S. Clint		Communications Consultant	Metro Mobile Communicatins
James			Minilec Service, Inc.
Greg	Stevens		Mission Ambulance Inc
Pete	Robinson	President	Mobile Access Software
Joyce	Peters	Sales Manager	Mobile Relay Associates, Inc.
Charles		Communications Tech	Moc/ LA
Robert			Modular Communications
James		Supervisor	Monrovia Police Dept
Р.	Purguy		Montecito Fire Dist
Olivia	Madrigal	H. R. Manager	Monterey County
Dennis	Holland	Operations Supervisor	Monterey County

Agency Name

FirstName LastName	Title	Agency Name
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Beth	Batty	Operations Supervisor	Monterey County
Leslie	Ragghianti	Training Coordinator	Monterey County Emergency Communications
Thomas	Payne	Dispatch Supervisor	Monterey County Emergency Communications
Janet	Nakamura	Records/Communications Bureau Comma	Monterey Park Police Dept
Gary	Boyd	President	Moss Bay Group
Raymond	Grimes	Senior Staff Engineer	Motorola
Rick	Neal		Motorola
Brian	Kibler	Senior Account Manager	Motorola
Kris	Robinson	Senior Account Manager	Motorola
Shilpi	Mital	Account Manager	Motorola
Phil	Gironda	Account Manager	Motorola
Phil	Kelly		Motorola CGISS
Philip	Dobosz	Manager	Motorola CGISS
Brian	Wood	Leadr Engineer	Motorola CGISS
Don	Delaney	-	Motorola CGISS
Kelly	Kirwan		Motorola CGISS
Ben	Nunnally		Motorola CGISS
Kathleen	Brown	Director of Quality	Motorola CGISS
Shelley	Santy	Supervisor	Newport Beach Police Dept
Tim	Robinson	Director Rf & Development	Nextel
Nicholas	Rheeman	Senior Engineer	Nextel
Kevin	Nida		NIDA Companies
Milton	Davies		North Co Fire Protection
Dallas	Neville	Deputy Chief Operations	North County Dispatch JPA
Susan	Wysong	Supervisor	North County Dispatch JPA
Mark	Cragg	Systems Technician	North County Dispatch JPA
Charlie	Knust	Application Specialist-GIS	North County Dispatch JPA
J. Michael	Kennedy	Director of Marketing	Northrop Gruman Corp
Lee	Lance	Senior Analyst Programmer	Northrop Gruman Corp
		-	-

FirstName LastName	Title	Agency Name
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Alan	Whitman	Captain	Oakland Police Dept
Don	Hadley		Oceanside Harbor Police
James	Voelkl	Publisher	Official Publication Inc/911 Magazine
Steven	Greneveld		Ontario Fire Dept
Craig	Kinoshita	Battalion Chief ECC	Orange Co Fire Authority
Lesli	Wilson	Supervisor	Orange Co Fire Authority
Joseph	Saddler	Senior Engineer	Orange County
Howard	Newton	Engineer III	Orange County Comms
Gina	Pressler	Engineering Technician	Orange County Communications
Leeta	Kesler	Engineering Technician	Orange County Communications
Roger	Thomas	Telephone Service Specialists	Orange County Fire Authority
Rich	Toro	Supervisor	Orange County Fire Authority
Michele	Palmer		Orange County Fire Authority
Roger	Stites	IS Manager	Orange County Fire Authority
Robert	Waller	Communications Tech II	Orange County Fire Authority
Annette	Allen	Communications Manager	Oxnard Police Dept
Thomas	Chronister	Commander	Oxnard Police Dept
Stephen	Fryer	Senior Account Manager E911	Pacific Bell
Philip	Lopez	Sales Manager	Pacific Bell P/S 911
Joseph	Oliveira	President	PIPO Communications
Rolando	Garcia	Senior Public Safety Dispatcher	Placer County Sheriffs
John	Fuller	V P Sales & Marketing	Plant Equipment
Larry	Matteson		Plant Equipment Inc
Timothy	Fuller	President	Plant Equipment Inc
John	Fuller		Plant Equipment Inc
Jeff	Wittek	Director of Product Manager	Plant Equipment Inc
Monique	De Chaine	Business Development Manager	Plant Equipment Inc
Robert	Freinberg	Vice President-Sales & Business Dev	Plant Equipment Inc
John	McCowan	Marketing Comms Manager	Printrack Int'l

FirstName	LastName	Title	Agency Name
Roula Scott Rick Neil David Howard Gary Michael Karl David Terry Paul Gary Edward Debra Cheryl Charles	Margaros MacDonald Johnson Johnson Mc Neff Robertson Hoff Lapadula Cox Feeney II Seabury Wrightsman Wiley Radomsky Kochheim Falcon Taylor	Account Manager Vice President Vice President Technician Managing Consultant VP- General MgrWestern Region Sergeant Lieutenant Comms Supervisor Community Services Officer lii Emergency Communications Supervisor Communications Engineer	Printrack, A Motorola Company Pyramid Communications Qualcomm Inc Rancho Cucamonga Fire Dist RCC Consultants Inc RCC Consultants, Inc Redondo Beach P.D.
Kenneth	Bourne	President	RF Associates
Henry Mike Lorie Cherie	Richter Burton Thompson Curzon	Owner Manager Manager Communications Supervisor	Richter Group Riverside County Fire Department Riverside County Sheriff Riverside Police Dept Riverside Sheriff Dept
Dawn John Ron Brett Penny David	Lopez Wiggins Ross Lubsen Adams Dowling	V.P Sales Operations Manager Supervisor	Riverside Sheriff Dept RMSI Ross Associates RuggedNotesbooks.com Sacramento Fire Dept San Bernardino County ISD
Memory	Carver	Emergency Services Dispatcher I	San Bernardino County ISD

Title

FirstName LastName

David	Seidel		San Bernardino County Sheriff Tech Services Div
Cynthia	Freeman	Supervisor	San Bernardino County Sheriff Tech Services Div
Debra	Holman	Supervisor	San Bernardino County Sheriff Tech Services Div
Tim	Afflerbaugh	Supervisor	San Bernardino County Sheriff Tech Services Div
Joann	Rutland	Supervisor	San Bernardino County Sheriff Tech Services Div
Dennise	Moe	Supervisor	San Bernardino County Sheriff Tech Services Div
Ron	Dunn	Dispatch Supervisor	San Bernardino County Sheriff Tech Services Div
Tony	Allen	Lieutenant	San Bernardino County Sheriff Tech Services Div
Dodie	Alsop	Supervisor	San Bernardino Police Communications
Gail	Larsen	Communications Coord	San Diego Co Sheriff Communications
Jeff	Bracht	Supervisor	San Diego Convention Center Corp
Tim	Thomas	Supervising Technician IV	San Diego County Sheriff Wireless Services
Chris	Hinshaw	Assistant Manager, Wireless Services Uni	San Diego County Sheriff Wireless Services
Richard	Whittlesey	Tech 3	San Diego County Sheriff Wireless Services
Guy	Tant	Supervising Technician Iv	San Diego County Sheriff Wireless Services
Curt	Munro	Project Manager	San Diego County Sheriff Wireless Services
Guy	De Loura	Senior Technologist	San Diego County Sheriff Wireless Services
William	Holland	Technologist	San Diego County Sheriff Wireless Services
Fred	Moffett	Senior Technologist	San Diego County Sheriff Wireless Services
Hanan	Harb	Communications Coordinator	San Diego County Sheriff's Department
Angela	Claypool	Supervisor	San Diego Harbor Police
Karen	Butler		San Diego Police Dept
Daniel	Hall	Agency Terminal Coordinator	San Diego Unified School District Police
Anthony	Vairo	Detective	San Fernando Police Dept
Ralph	Delgado	Dispatcher/Jailer Supervisor	San Fernando Police Dept
Richard	Helzer	Technician	San Luis Obispo City Fire Dept
Ken	Brown	Technician II	San Luis Obispo Co Inform Svcs
Kerri	Rosenblum	Communications Supervisor	San Luis Obispo Police
Anna	Olivarez		Santa Ana Fire Department

Agency Name

Title

FirstName LastName

i iioti tairio	Lastramo	THE	Agency Name
Lisa	Mathiasen	Dispatch Training Supervisor	Santa Barbara County Sheriff
James	Ward	Senior Electronics Tech	Santa Barbara Public Work
Scott	Allison	Supervisor	Santa Barbara Public Work
James	Mc Pherson	EMS Operations Manager	Santa Clara County EMS Agency
Wayne	Cox	Lieutenant	Santa Maria City Fire
Greg	Marsh	Communications Operator II	Santa Monica Fire Dept
Patty	Speidel	Emergency Communications Manager	SBC Pacific Bell
Janet	Brown	E911 Service Executive	SBC/ Pacific Bell
Roy	Halterman	Emergency communications Mgr	SBC/ Pacific Bell
Alex	Fakhreddine	E911 Service Executive	SBC/ Pacific Bell
Charles	Vavasseur	E911 Service Executive	SBC/ Pacific Bell
Glenn	Marin		Schema Systems Inc
Jack	Campbell	Vice Pres.	Schema Systems Inc
Nicholas	North	Telecommunications Systems Analyst	Science Applications International Corp
Pat	Harding	EDC-III	Scotts Valley Police Department
Joseph	Granish	Dispatcher	Simi Valley Police Department
Jose	Rivera		South Bay Reg Public Comm Authority
Janey	Hall	Manager	South Bay Reg Public Comm Authority
Bonnie	Agee	Training Manager	South Bay Reg Public Comm Authority
Gary	Stevens	Communications Supervisor	South Bay Regional Public Communications Authority
Frank	Miranda	Communications Training Officer	South Bay Regional Public Communications Authority
Robert	Vance III	Supervisor	Southern Cal Edison
Sheri	Johnson	Acquisition Manager	Spectrum Acquisitions Group
Todd	Johnson	Acquistion Manager	Spectrum Acquisitions Group
Cheryl	Cox	Operations Manager	Spectrum Acquisitions Group
Bill	Houser	Regional Vice President	Stancil Corporation
Donald	Root	Deputy Chief, Telecommunications	State of CA Offices of Emergency Services
David	Kelley	ITS Programs	SubCarrier Systems Corporation
Matt	Martz	Director Of Sales	Talley Communications

Agency Name

Sr Equipement Mechanic

Program Analyst

Wireless Specialist

**Operations Manager** 

Lead

Title

FirstName LastName

Laura Robert

Jaime

Scott

Chase

Ulrich

Wolfer

Duenas

Harvey

Del

Bob	Osmers		Talley Communications
Craig	Nichols		Talley Communications
Timothy	Peters	President	Tech/Knowledge Inc
Paul	Allen	Service Coordinator	Telcom Comm
Joe	Dehorty		Telcom Inc
Isabelle	Hoogland	Marketing Manager	Tele Atlas North America
Jon	Mitchell	National Sales Manager	Teleflage
Michael	Thayer	President	Thayer Consulting
George	Valenzuela	Specialist	The Aerospace Corporation
Jack	Daniel	Owner	The Jack Daniel Company
Larry	Weber	President	The Sales Group Inc
Tina	Jackson	President	The Spectrum Firm Inc.
Paul	Nocero	Director Marketing	Tiburon Inc
Fred	Feer	VP, Operations	Topanga Coalition for Emergency Preparedness
Ralph	Blount	Retired	Torrance Police Dept
Michael	Paolozzi	Lieutenant	Torrance Police Dept
Mark	Wittenberg	Police Lieutenant	Torrance Police Dept
John	Ehert	President	TPL Communications
Chris	Maloney	President	TriTech Software Systems
Melissa	Aukes		TriTech Software Systems
Robert	McGrath	Vice President of Sales & Marketing	TriTech Software Systems
Terry	Fitch	Marketing	TriTech Software Systems
Gregg	Caplan	Vice President	TriTech Software Systems
Scott	Simpson		TRW

Agency Name

UCLA

Tuocumne County Public Works

Tustin Police Dept

UC Riverside Police Dept

**UCLA Comms Tech Services** 

FirstName	LastName	Title	Agency Name
Ron	Brogdon		Univ of California, San Diego
Fred	Mills	Communications Coordinator	University Police Dept
Lincoln	Unruh	President	Unruh Technologies Inc
Sharon	Goodwin	Dispatcher II	Upland Police Dept
Bruce	Kopitar	President	US Tower Corp
Michael	Wingate		USDA Forest Service
Robert	Harris	Electronics Technician	USDA Forest Service Fire & Aviation Management
Charles	Webb	Telecommunications Manager	Valley Health System
A.	Stephens	Admin Dispatcher II	Ventura County Dept
Tom	Ramonette	Communications Officer	Ventura County Dept
Debra	Zinskey	Fcc Manager	Ventura County Fire Protection District
Steve	Mc Clellan	Communications Manager	Ventura County Fire Protection District
James	Norris		Ventura County Fire Protection District
Lawrence	Older	I S Manager	Ventura County Fire Protection District
Pablo	Peredes		Ventura County Fire Protection District
Debra	Kemblowski	Dispatcher	Ventura County Sheriff
John	Garner	Lieutenant	Ventura Police Dept
T Brock	Avery	Police Sergeant	Ventura Police Dept
Rich	Kaufman	Supervisor	Verdugo Fire Comm Center
Mark	Krom	Senior Network Tech	Verizon
Steve	Towles	Lieutenant	Vernon Police Dept
Scott	Henderson	Vice President- Land Mobile Division	Vertex Standard
Don	Werner	Vice President	Wallace & Wallace
Lisa	Barr	Communications Supervisor	West Cities Police Communications Center
Linda	De Chaine		West End Communications Authority
Michelle	Baylis	Supervisor	West Norriton Township Police Dept
Stephaine	Knight	Communications Supervisor	Whitter Police Dept
Sara	Krelle	Senior Dispatcher	Whitter Police Dept
Audrey	Hernandez	Senior Dispatcher	Whitter Police Dept

FirstName LastName

Title

Agency Name

Scheralee Ford Feryan Mike William Doolittle Mikio Maruya

Delameter

Steve Tivy

Robert Lukenbill Karayan Charles John Keating Don Poorman Н **Topham** Richard Miller Frederic Crowder Spanovich **Brownie** Swiatlowski Jeanne

Mary Gray

**James** 

Mike Lussier Luckey Chuck Mark Barber

Alice Karleskint

Rodger Marty

Phil Collins Donna Keating

Richard Behr

Randall Larson Andy Tomenchuk

David Bucher

Logue Maureen William Salveson Support Services Manager

Sales& Marketing Chief Executive Officer

Retired

Retired

Fire Dispatcher Supvr

Owner

**Communications Consultant** 

Dispatch/training Officer

Retired

Police Dispatcher Lieutenant - Retired Whitter Police Dept Wireless Works Inc Wm L Doolittle & Assoc

Yaesu USA

Agency Name

FirstName LastName Title

Harry Cole

# Appendix F

Inter-Regional Coordination And Agreements

Print Page 1 of 2

From: Hagar, Randall, GSA - Communications (Randall.Hagar@acgov.org)

To: David Buchanan; Mark Pallans; mark.schroeder@phoenix.gov

**Date:** Thursday, January 24, 2008 5:23:03 PM

Cc: Gary Poon

**Subject:** RE: Region 5 700 MHz Plan revision

Dave,

Region 6 concurs with your revised 700MHz plan, but also recommends that you note the following comments as proposed from Bill DeCamp:

Randy Hagar, Chair Region 6, 700MHz/4.9GHz Deputy Director, GSA Alameda County

Region 5's changes to the attached document basically comprised removing the Wideband Data Section, and converting the frequencies in the frequency list to the new values caused by the realignment of the 700 MHz blocks due to the Second Report and Order released August 2007. Other than renumbering the frequency blocks to match FCC's requirements, in essence it appears unchanged from the former plan.

In reviewing the document, I recommend the following subtle changes to improve the "correctness" of the document.

Under Section **3.0 Region Description,** the paragraph that reads, "The State of California's request for spectrum is to support a new statewide system that will integrate multiple state agencies on the system. The State is also designating the system to accommodate local agencies that wish to participate." can be deleted since the State has withdrawn its request for the 120 – 700 MHz General Use 6.25 kHz channel pairs that were to be used for PRISM.

In the document, whereever "TIA/EIA TSB88-A (or latest version)..." appears, it might be rewritten "The latest version of TIA/EIA TSB88...". The current version is "B", but "C" is imminent.

Under Section **5.3 Procedure for Frequency Coordination**, you may wish to add the following closing paragraph: "Region 5 will provide data to the National Public Safety Telecommunications Council (NPSTC) Computer Assisted Pre-Coordination Resource And Database (CAPRAD) to assist with intraregional coordination.

Under Section **5.4 Adjacent Region Spectrum Allocation**, the second paragraph reads, "Region 5 will provide data to the National Public Safety Telecommunications Council (NPSTC) Pre-Coordination Data Base to assist with adjacent region coordination." To emphasize CAPRAD, it should be rewritten, "Region 5 will provide data to the National Public Safety Telecommunications Council (NPSTC) Computer Assisted Pre-Coordination Resource And Database (CAPRAD) to assist with interregional coordination.

Under Section **5.5 Mexico Border Issues**, the frequency ranges in the last sentence should be changed from "764-776" and "794-806" to "769-775" and "799-805"

Under Section **6.** Interoperability Channels, the second paragraph under 6.1 Introduction reads, "The State of California will administer the interoperability channels via a State Interoperability Executive Committee (SIEC) under National Coordination Committee's (NCC) guidelines." This should be changed to "The State of California will administer the interoperability channels via the California Statewide Interoperability Executive Committee (CalSIEC) recommended under National Coordination Committee's (NCC) guidelines."

The sentence should be removed that reads, "If the State is unable to form the SIEC and develop interoperability operating procedures, then this committee will do so."

All subsequent references to SIEC should be changed to CalSIEC.

Print Page 2 of 2

Under Section **8.3 System Implementation**, the second sentence that reads "*These stations will not move until the year 2006, or after, depending on the 85% market penetration of digital TV implementation*" should be rewritten as, "*These stations are not obliged to move until February 2008.* 

Under Section 10. Spectrum Utilization, delete the last paragraph which reads, "Due to the existing TV assignments and HDTV assignments, most of Southern California cannot use this spectrum until the HDTV implementation is completed. This may be sooner or later than 2006. Given this uncertainty, this plan does not limit an agency from initially implementing (if it conforms to FCC rules) a technology that yields less than one voice channel per 6.25 kHz channel or aggregating narrowband data into 25 kHz blocks. The agencies are on notice that they will not receive additional allotments due to using technology that yields less than one voice channel per 6.25 kHz of spectrum or narrowband data of less than 19.2 kbps per 12.5 kHz of spectrum."

Best regards,

-----Original Message-----

William De Camp

From: David Buchanan [mailto:david\_bu@pacbell.net]

Sent: Wednesday, January 23, 2008 7:04 PM

To: Hagar, Randall, GSA - Communications; Mark Pallans; mark.schroeder@phoenix.gov

Cc: Gary Poon

**Subject:** Region 5 700 MHz Plan revision

Please review the attached plan and reply indicating you concurrence with the changes. The major change is the repack of the frequency allotments to reflect the new 700 MHz band plan. We simply moved the current allotments to reflect the new general category narrow band frequencies. There are no additional allotments to the existing plan. Don Root was elected vice-chair. The reference to wide-band channels was deleted.

For note, Region 5 hand packed the allotments and therefore the region is not waiting on the CAPRAD modifications. We will enter the data list into CAPRAD after the modifications are complete. If can provide concurrence prior to January 28th, I will not need to ask for a waiver with the FCC filing. We expect that the FCC will need to modify the protacalls with Mexico and the allotment list will need another modification. If the chages are not in place by late summer Region 5 will modify the list to move San Diego and Imperial allotments to primary US spectrum.

Thanks
David Buchanan, Chair
Region 5 700 MHz Planning Committee

Print Page 1 of 1

From: Pallans, Mark (MPallans@nevp.com)

To: David Buchanan

**Date:** Thursday, January 24, 2008 7:53:52 AM **Subject:** RE: Region 5 700 MHz Plan revision

Region 27 concurs with Region 5's revised 700 MHz Plan.

#### Mark D. Pallans

System Administrator

Nevada Shared Radio System

702.657.4205

702.657.4220 FAX

From: David Buchanan [mailto:david\_bu@pacbell.net]

Sent: Wednesday, January 23, 2008 7:04 PM

To: Randall Hagar; Pallans, Mark; mark.schroeder@phoenix.gov

Cc: Gary Poon

Subject: Region 5 700 MHz Plan revision

Please review the attached plan and reply indicating you concurrence with the changes. The major change is the repack of the frequency allotments to reflect the new 700 MHz band plan. We simply moved the current allotments to reflect the new general category narrow band frequencies. There are no additional allotments to the existing plan. Don Root was elected vice-chair. The reference to wide-band channels was deleted.

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Thanks
David Buchanan, Chair
Region 5 700 MHz Planning Committee

Print Page 1 of 1

**From:** mark.schroeder@phoenix.gov (mark.schroeder@phoenix.gov)

**To:** David Buchanan; Randall Hagar; Mark Pallans **Date:** Wednesday, January 23, 2008 7:30:24 PM

Cc: Gary Poon

**Subject:** Re: Region 5 700 MHz Plan revision

David,

Region 3 is providing Region 5 with our concurrence in this email to your plan changes to meet the recent changes required by the FCC.

-Mark Schroeder, 700 MHz RPC Region 3 Chairman-

---- Original Message -----

From: David Buchanan [david\_bu@pacbell.net]

Sent: 01/23/2008 07:04 PM PST

To: Randall Hagar < Randall. Hagar@acgov.org>; Mark Pallans < MPallans@nevp.com>; Mark Schroeder

Cc: Gary Poon <gary9888@yahoo.com> Subject: Region 5 700 MHz Plan revision

Please review the attached plan and reply indicating you concurrence with the changes. The major change is the repack of the frequency allotments to reflect the new 700 MHz band plan. We simply moved the current allotments to reflect the new general category narrow band frequencies. There are no additional allotments to the existing plan. Don Root was elected vice-chair. The reference to wide-band channels was deleted.

For note, Region 5 hand packed the allotments and therefore the region is not waiting on the CAPRAD modifications. We will enter the data list into CAPRAD after the modifications are complete. If can provide concurrence prior to January 28th, I will not need to ask for a waiver with the FCC filing. We expect that the FCC will need to modify the protacalls with Mexico and the allotment list will need another modification. If the chages are not in place by late summer Region 5 will modify the list to move San Diego and Imperial allotments to primary US spectrum.

Thanks
David Buchanan, Chair
Region 5 700 MHz Planning Committee

## Inter-Regional Coordination Procedures and Procedures for Resolution of Disputes That May Arise Under FCC Approved Plans

#### I. Coordination Procedures

## I. INTRODUCTION

1. This is a mutually agreed upon Inter-Regional Coordination Procedures

Agreement (Agreement) by and between the following 700 MHz Regional Planning Committees,

Arizona, Region 3, Southern California, Region 5, Northern California, Region 6, and Nevada,

Region 27.

## II. INTER-REGIONAL COORDINATION AGREEMENT

- 2. The following is the specific procedure for inter-regional coordination which has been agreed upon by Regions 3,5,6, and 27 and will be used by the Regions to coordinate between these adjacent Regional Planning Committees when:
- a. An application filing window is opened or the Region announces that it is prepared to begin accepting applications on a first-come/first-served basis.
  - b. Applications by eligible entities are accepted.
- c. An application filing window (if this procedure is being used) is closed after appropriate time interval.
- d. Intra-regional review and coordination takes place, including a technical review resulting in assignment of channels.
- e. After intra-regional review, a copy of those frequency-specific applications requiring adjacent Region approval, including a definition statement of proposed service area, shall then be forwarded to the adjacent Region(s) for review. 

  This information will be sent to the adjacent Regional chairperson(s) using the CAPRAD database.

<sup>&</sup>lt;sup>1</sup> If an applicant's proposed service area extends into an adjacent Public Safety Region(s)or a base station is within 70 miles of the adjacent regions border, the application must be approved by the affected Region(s).

f. The adjacent Region reviews the application. If the application is approved, a letter of concurrence shall be sent, via the CAPRAD database, to the initiating Regional chairperson within thirty (30) calendar days.

## II. Dispute Resolution

- shall document the reasons for partial or non-concurrence, and respond within 10 (Ten) calendar days via email. If the applying Region cannot modify the application to satisfy the objections of the adjacent Region then, a working group comprised of representatives of the two Regions shall be convened within thirty (30) calendar days to attempt to resolve the dispute. The working group shall then report its findings within thirty (30) calendar days to the Regional chairpersons email (CAPRAD database). Findings may include, but not be limited to:
  - (i) Unconditional concurrence;
  - (ii) conditional concurrence contingent upon modification of applicant's technical parameters; or
  - (iii) partial or total denial of proposed frequencies due to inability to meet co-channel/adjacent channel interference free protection to existing licensees within the adjacent Region.
- (2) If the Inter-Regional Working Group cannot resolve the dispute, then the matter shall be forwarded for evaluation to the National Plan Oversight Committee (NPOC), of the National Public Safety Telecommunications Council. Each Region involved in the dispute shall include a detailed explanation of its position, including engineering studies and any other technical information deemed relevant. The NPOC

Service area shall normally be defined as the area included within the geographical boundary of the applicant, plus three (3) miles. Other definitions of service area shall be justified with an accompanying *Memorandum of Understanding (MOU)* or other application documentation between agencies, i.e. mutual aid agreements.

will, within thirty (30) calendar days, report its recommendation(s) to the Regional chairpersons via the CAPRAD database. The NPOC's decision may support either of the disputing Regions or it may develop a proposal that it deems mutually advantageous to each disputing Region.

g. Where adjacent Region concurrence has been secured, and the channel assignments would result in no change to the Region's currently Commission approved channel assignment matrix. The initiating Region may then advise the applicant(s) that their application may be forwarded to a frequency coordinator for processing and filing with the Commission.

h. Where adjacent Region concurrence has been secured, and the channel assignments would result in a change to the Region's currently Commission approved channel assignment matrix, then the initiating Region shall file with the Commission a *Petition to Amend* their current Regional plan's frequency matrix, reflecting the new channel assignments, with a copy of the *Petition* sent to the adjacent Regional chairperson(s).

i. Upon Commission issuance of an *Order* adopting the amended channel assignment matrix, the initiating Regional chairperson will send a courtesy copy of the *Order* to the adjacent Regional chairperson(s) and may then advise the applicant(s) that they may forward their applications to the frequency coordinator for processing and filing with the Commission.

### III. CONCLUSION

3. IN AGREEMENT HERETO, Regions 3, 5, 6, and 27 do hereunto set their signatures.

Respectfully,

urt Knight, Chairperson Region 3

\_\_\_\_\_ Date: 3/19/03

## David Buchanan, Chairperson Region 5

\_Date: 5-12-2003

William DeCamp, Chairperson Region 6

e Camp Date: 5/9/03

James A. Wilson, Chairperson Region 27

JAWISM Date: 408 00

## INFORMATION SERVICES DEPARTMENT

ADMINISTRATION APPLICATION DEVELOPMENT CUSTOMER SERVICE

EMERGING TECHNOLOGIES TECHNOLOGY OPERATIONS
670 East Gilbert Street • San Bernardino, CA 92415-0915 • (909) 388-5500 • Fax (909) 388-5555

NETWORK SERVICES
777 East Rialto Avenue • San Bernardino, CA 92415-0740 • (909) 387-2010 • Fax (909) 387-8859

COUNTY OF SAN BERNARDING COUNTY ADMINISTRATIVE OFFICE

LEYDEN L. HAHN Chief Information Officer

DAVID ROGERS
Assistant Chief Information Officer

April 28, 2003

William DeCamp, P.E. State of California, DGS Telecom Division 601 Sequoia Pacific Blvd., MS WH7 Sacramento, CA 95814-0282

1743 West Mire Way. • Rialto, CA 92376 • (909) 356-3900 • Fax (909) 356-3915

Dear Mr. DeCamp:

Enclosed is a copy of the Region 5, 700 MHz Plan for your review. Please indicate your Region's acceptance and approval of this Plan by signing below and returning this letter to me. If your Region has any issues with this plan please contact me so we can work out acceptable changes.

A prompt reply is appreciated, as we cannot submit our plan again without your Region's approval.

elamp Date 59 03

Sincerely,

David Buchanan Chairman, Region 5

Enclosure (1)

Region 6 Approves

William DeCamp, P.E.

## ARIZONA DEPARTMENT OF PUBLIC SAFETY

2102 WEST ENCANTO BLVD. P.O. BOX 6638 PHOENIX, ARIZONA 85005-6638 (602) 223 - 2000



August 13, 2003

David Buchanan, Chairman - Region 5 City of San Bernardino Network Services 777 East Rialto Avenue San Bernardino, California 92415-0740

RE: 700 MHz Plan Concurrence

Dear Mr. Buchanan:

In response to your letter regarding concurrence to the proposed 700 MHz Regional Plan, please note the following.

Let it be recorded that Region 3 is in receipt of the proposed 700 MHz Regional Plan and concurs with the same. At the present time Region 3 does not have any issues with the plan that would necessitate any changes.

This letter serves as official written concurrence, from Region 3, to the proposed 700 MHz Regional Plan. If I can be of further assistance please do not hesitate to contact me at 602-223-2257, or I can be reached via e-mail at <a href="mailto:Cknight@dps.state.az.us.">Cknight@dps.state.az.us.</a>

Sincerely,

Curt Knight, Manager Telecommunication Bureau Chairperson, Region 3

mg

d:\wp6files\2029\700 MHz Response to acceptance and approval

## SOUTHERN NEVADA AREA COMMUNICATIONS COUNCIL

575 East Flamingo Road Las Vegas, NV 89119 (702) 455-7311

Fax: (702) 734-6111 E-Mail: jimwi@co.clark.nv.us

June 4, 2003

Mr. Dave Buchanan Region 5 Chairman County of San Bernardino Information Services Department 777 East Rialto Avenue San Bernardino, CA 92415-0740

Dear Dave:

Please consider this letter as the approval from Region 27 (Nevada) for the submission of your 700 MHz Plan to the Federal Communications Commission. Congratulations on a excellent job, and we wish the best of luck to your Region in the submission of your Plan to the Federal Communications Commission.

Sincerely,

JAMES A. WILSON

Region 27 Chairman